ORDER NO. VSD9703M203
D4

Service Manual

V18464

Panasonic S-VHS Hi-Fi

Editing Video Cassette Recorder
AG-DS555P
Editing Video Cassette Player
AG-DS545P

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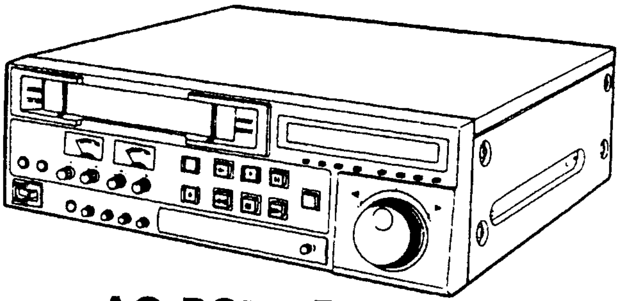
Sec. 6 *Schematic Diagrams*
Sec. 7 *Circuit Board Diagrams*
Sec. 8 *Exploded Views & Replacement Parts List*

AG-DS545P



AG-DS555P

Panasonic®

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

SPECIFICATIONS

General

Power Supply:	120 V AC, 50-60 Hz
Power Consumption:	AG-DS555 : 76 W (when AG-A600 is connected) AG-DS545 : 65 W (when AG-A600 is connected)

▨ is the safety information.

Recording System:	2 head-helical scanning, azimuth recording, S-VHS/VHS standards
Tape Speed:	33.35 mm/sec (under normal conditions)
Tape:	S-VHS tape, VHS tape
Recording Time:	120 minutes (with NV-T120)
FF/REW Time:	Less than 2 minutes (with NV-T120)
Operating Humidity:	35% to 80%
Operating Temperature:	41°F to 104°F (5°C to 40°F) (during operation)
Dimensions (W × H × D):	16-11/16" × 5-3/16" × 16-3/8" (424 × 131.5 × 415 mm)
Weight:	AG-DS555: 25.74 lbs (11.7 kg) AG-DS545: 24.64 lbs (11.2 kg)

Video

Television Format:	NTSC TV system;	525 lines, 60 fields
Input/Output:	Line (BNC);	1.0 Vp-p, 75Ω
(For "Input", AG-DS555 only)	S-VIDEO (4P);	Y: 1.0 Vp-p 75Ω C: 0.286 Vp-p, 75Ω (burst)
Horizontal Resolution:	VHS;	More than 240 lines
	S-VHS;	More than 400 lines
S/N Ratio:	VHS;	46 dB (color mode)
	S-VHS;	Better than 50dB (color mode, with DNR)

Audio

Input (AG-DS555 only)	Line Hi-Fi (XLR);	+4/0/–6 dBs, high impedance
	Line NORM (XLR);	+4/0/–6 dBs, high impedance
	MIC;	–50 dBv, 4.7 kΩ, unbalanced
	Time code (BNC);	1.0 Vp-p, 10 kΩ, unbalanced
Output:	Line Hi-Fi (XLR);	+4/0/–6 dBs, 50Ω output impedance
	Line NORM (XLR);	+4/0/–6 dBs, 50Ω output impedance
	Headphones (1/4");	–60 dBv ~ –20 dBv, 8Ω impedance
	Monitor (PHONO);	0 dBv, 600Ω unbalanced
	Time code (BNC);	2.4 Vp-p, low impedance, unbalanced
Track Number:	4 tracks (2 normal audio tracks, 2 Hi-Fi audio tracks)	
S/N Ratio:	48 dB (with Dolby NR switch ON, for normal sound)	
Hi-Fi dynamic range:	More than 90 dB	
Audio Frequency Response:	50 Hz to 12 kHz (normal sound) 20 Hz to 20 kHz (Hi-Fi sound)	

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

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SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing make the following leakage current checks to prevent the customer from being exposed to shook hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1MΩ and 5.2MΩ.
   When the exposed metal dose not have a return path to the chassis, the reading must be ∞.

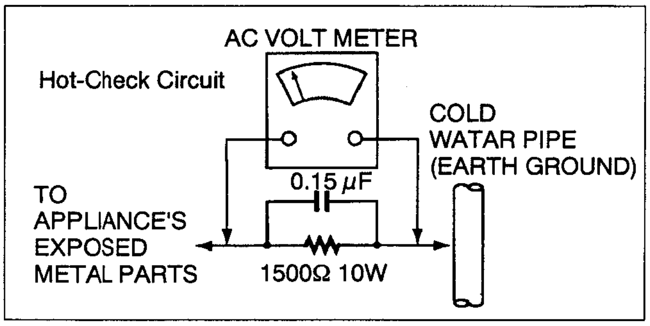


Figure 1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, in parallel with 0.15μF capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (most replacement ES devices are packaged with leads electrically shorted together by conductive foam. aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION:Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices.(Otherwise harmless mother such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

SERVICE INFORMATION

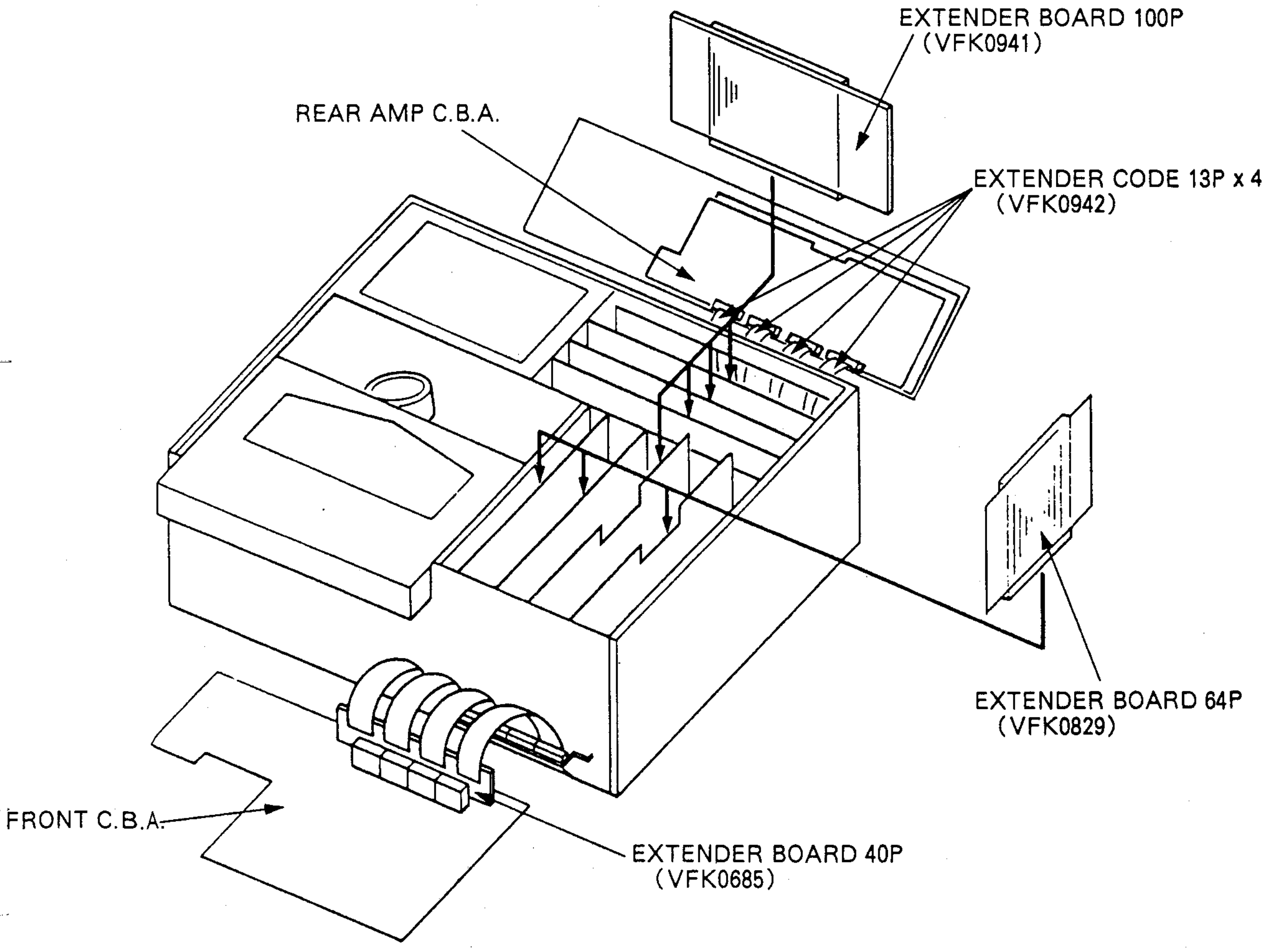
1 EXTENDERS

1. EXTENDER BOARD 100P (VFK0941) **SAME AS AG-DS550 etc.**
   FOR INTERFACE, TBC (1), TBC (2) and VIDEO I/O P.C.BOARDs

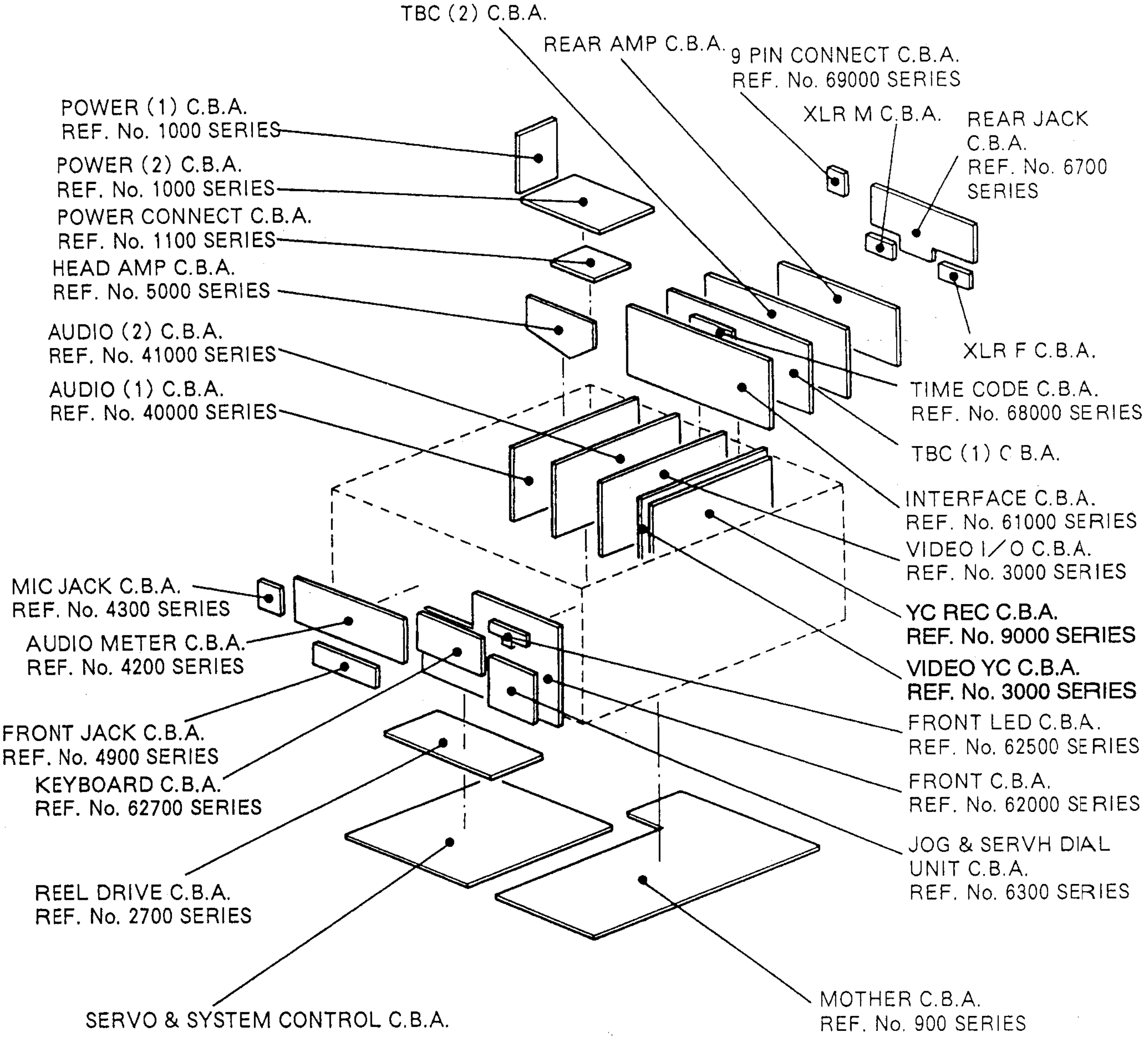
2. EXTENDER CODE 13P (VFK0942)x 4 **SAME AS AG-DS550 etc.**
   FOR REAR AMP (JACK) P.C.BOARD

3. EXTENDER CODE 40P (VFK0685) SAME AS AG-7350 etc.
   FOR FRONT P.C.BOARD

4. EXTENDER BOARD 64P (VFK0829) SAME AS AG-6760 etc.
   FOR VIDEO YC, AUDIO (1), AUDIO (2) P.C.BOARDs


EXTENDER BOARD 100P
(VFK0941)
REAR AMP C.B.A.
EXTENDER CODE 13P x 4
(VFK0942)
EXTENDER BOARD 64P
(VFK0829)
FRONT C.B.A.
EXTENDER BOARD 40P
(VFK0685)

2 CIRCUIT BOARD LAYOUT


TBC (2) C.B.A.
REAR AMP C.B.A.
9 PIN CONNECT C.B.A. REF. No. 69000 SERIES
XLR M C.B.A.
REAR JACK C.B.A. REF. No. 6700 SERIES
POWER (1) C.B.A. REF. No. 1000 SERIES
POWER (2) C.B.A. REF. No. 1000 SERIES
POWER CONNECT C.B.A. REF. No. 1100 SERIES
HEAD AMP C.B.A. REF. No. 5000 SERIES
AUDIO (2) C.B.A. REF. No. 41000 SERIES
AUDIO (1) C.B.A. REF. No. 40000 SERIES
XLR F C.B.A.
TIME CODE C.B.A. REF. No. 68000 SERIES
TBC (1) C.B.A.
INTERFACE C.B.A. REF. No. 61000 SERIES
VIDEO I/O C.B.A. REF. No. 3000 SERIES
YC REC C.B.A. REF. No. 9000 SERIES
VIDEO YC C.B.A. REF. No. 3000 SERIES
MIC JACK C.B.A. REF. No. 4300 SERIES
AUDIO METER C.B.A. REF. No. 4200 SERIES
FRONT JACK C.B.A. REF. No. 4900 SERIES
KEYBOARD C.B.A. REF. No. 62700 SERIES
FRONT LED C.B.A. REF. No. 62500 SERIES
FRONT C.B.A. REF. No. 62000 SERIES
JOG & SERVH DIAL UNIT C.B.A. REF. No. 6300 SERIES
REEL DRIVE C.B.A. REF. No. 2700 SERIES
SERVO & SYSTEM CONTROL C.B.A.
MOTHER C.B.A. REF. No. 900 SERIES

SERVO & SYSTEM CONTROL C.B.A.

SYSTEM CONTROL SECTION: REF. No. 6000 SERIES
SUB SYSTEM CONTROL SECTION: REF. No. 60500 SERIES
SUB POWER SECTION: REF. No. 1500 SERIES
CYL SERVO SECTION: REF. No. 2000 SERIES
CAPSTAN SERVO (1) SECTION: REF. No. 2200 SERIES
CAPSTAN SERVO (2) SECTION: REF. No. 2200 SERIES
CTL AMP SECTION: REF. No. 2300 SERIES
WIDE SECTION: REF. No. 2400 SERIES
REEL SERVO SECTION: REF. No. 2000 SERIES
MOTOR DRIVE (1) SECTION: REF. No. 2700 SERIES
MOTOR DRIVE (2) SECTION: REF. No. 2700 SERIES

REAR AMP C.B.A.

REAR AMP SECTION: REF. No. 4000 SERIES
REAR AMP SECTION: REF. No. 4000 SERIES
REAR AMP SECTION: REF. No. 6600 SERIES

TBC (1) C.B.A.

Y MEMORY SECTION: REF. No. 8000 SERIES
PB SYNC SEP SECTION: REF. No. 8100 SERIES
WRITE PLL SECTION: REF. No. 8100 SERIES
CLAMP & AMP SECTION: REF. No. 8200 SERIES
C MEMORY SECTION: REF. No. 8300 SERIES
G.A. BLOCK SECTION: REF. No. 8500 SERIES
READ CLOCK GEN SECTION: REF. No. 8500 SERIES
TBC (1) SECTION: REF. No. 8500 SERIES

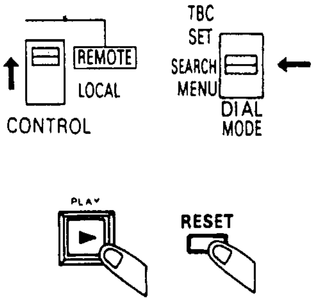
TBC (2) C.B.A.

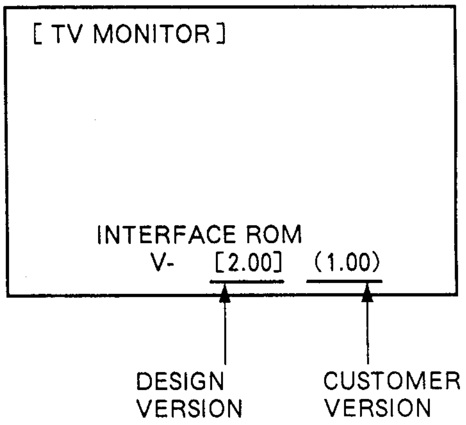
SYNC GEN SECTION: REF. No. 8600 SERIES
SYNC GEN SECTION: REF. No. 8600 SERIES
SYNC GEN SECTION: REF. No. 8700 SERIES
ENCODER SECTION: REF. No. 8800 SERIES
TBC (2) SECTION: REF. No. 8900 SERIES

3 ROM VERSION DISPLAY

The ROM Version is displayed while the PLAY and RESET buttons are kept depressed as follows;

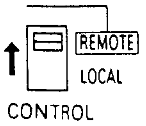
1. Eject a cassette tape.
2. Set the CONTROL switch to REMOTE.
3. Set the DIAL MODE switch to SEARCH.
4. Push the PLAY button together with RESET button.


REMOTE
LOCAL
CONTROL
TBC
SET
SEARCH
MENU
DIAL MODE
PLAY
RESET

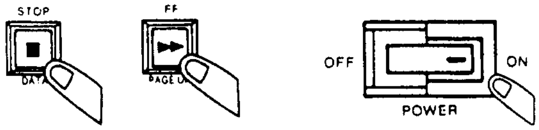

[TV MONITOR]
INTERFACE ROM
V- [2.00] (1.00)
DESIGN VERSION
CUSTOMER VERSION

HOUR METER RESET

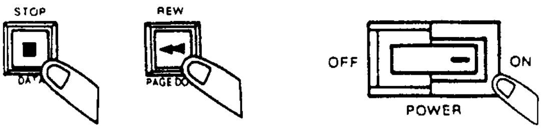
1. Turn off the Power.
2. Connect a jumper wire between TP1 and TP2 on the INTERFACE C.B.A.
3. Set the CONTROL switch to REMOTE.


REMOTE
LOCAL
CONTROL

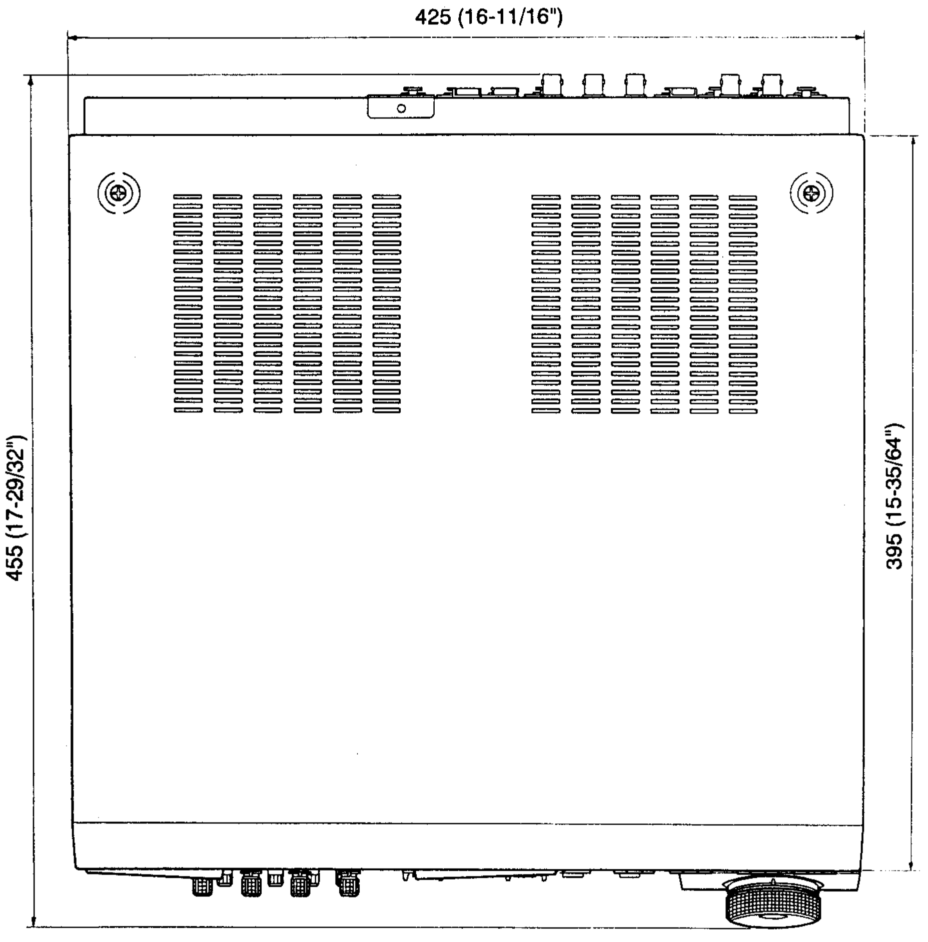
<< DRUM ON TIME >>
Turn on the Power while the STOP and FF buttons are depressed.

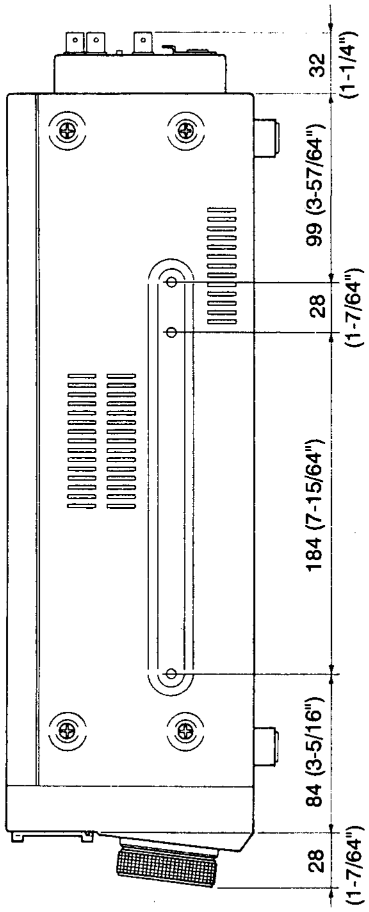

STOP
FF
OFF
ON
POWER

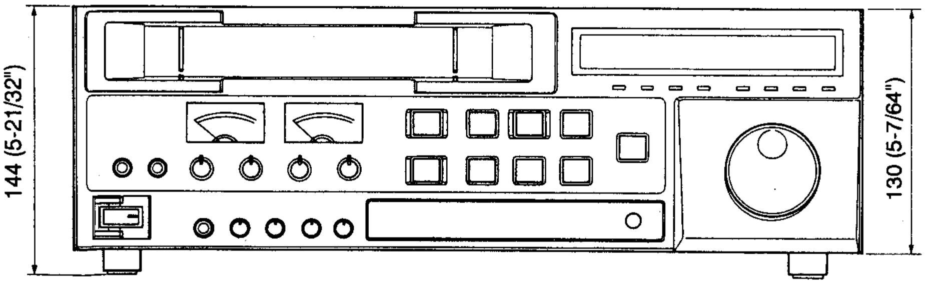
<< CAPSTAN ON TIME >>
Turn on the Power while the STOP and REW buttons are depressed.


STOP
REW
OFF
ON
POWER

5 DIMENSIONS


425 (16-11/16")
455 (17-29/32")
395 (15-35/64")


32 (1-1/4")
99 (3-57/64")
28 (1-7/64")
184 (7-15/64")
84 (3-5/16")
28 (1-7/64")


144 (5-21/32")
130 (5-7/64")

Unit : mm (inch)

SECTION 1

OPERATING INSTRUCTIONS

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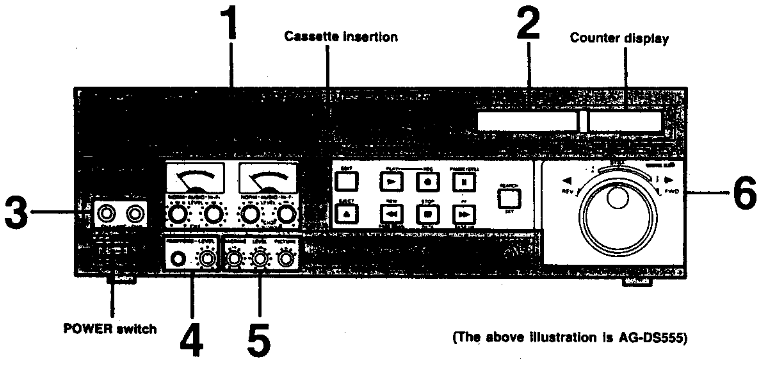
Front panel parts



(The above illustration is AG-DS555)

1. Level control area

Audio (CH1) level meter:	Displays CH1 audio level.
Audio (CH2) level meter:	Displays CH2 audio level or tracking level/video level.
Audio (CH1) NORMAL LEVEL control (AG-DS555 only):	Adjusts recording level for normal audio CH1.
Audio (CH1) Hi-Fi LEVEL control (AG-DS555 only):	Adjusts recording level for Hi-Fi audio CH1.
Audio (CH2) NORMAL LEVEL control (AG-DS555 only):	Adjusts recording level for normal audio CH2.
Audio (CH2) Hi-Fi LEVEL control (AG-DS555 only):	Adjusts recording level for Hi-Fi audio CH2.

2. Function display lamp area

WIDE lamp:	Lights during WIDE signal recording and WIDE tape playback.
Cassette "In" lamp [▭]:	Lights when a cassette is loaded.
S-VHS lamp [SVHS]:	Lights in S-VHS mode.
Hi-Fi lamp:	Lights when Hi-Fi audio is recorded or played back.
DOLBY* NR lamp:	Lights when Dolby NR system is used.
FRAME lamp:	Lights in framing servo lock mode.
LIMITER lamp (AG-DS555 only):	Lights when audio limiter is on.
CH2-TC lamp:	Lights when audio CH2 is used as an LTC track.
SERVO lamp:	Lights in servo lock mode.
CTL/TC/UB lamps:	Lamp corresponding to selected counter display mode lights.
LTC/AUTO/VITC lamps:	Lamp corresponding to selected time code mode lights.

3. Microphone area (AG-DS555 only)

MIC jacks (CH1/CH2):	Connectors for M6 external microphones.

4. Headphone area

HEADPHONE jack:	Connects M6 stereo headphones.
HEADPHONE LEVEL control:	Adjusts headphones volume.

5. Picture quality adjustment area

TRACKING control:	Adjusts noise position.
VIDEO LEVEL control (AG-DS555 only):	Adjusts input video level (push-pull type).
PICTURE control:	Adjusts softness/sharpness of playback picture.

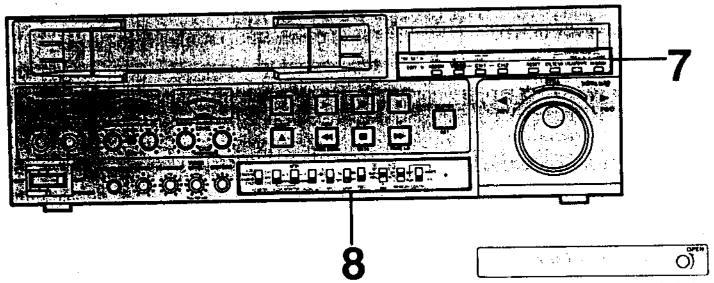
6. Basic operation area

EDIT button (AG-DS555 only):	Starts editing when pressed together with PLAY button.
PLAY button:	Starts playback.
REC button (AG-DS555 only):	Starts recording when pressed together with PLAY button.
PAUSE/STILL button:	Establishes still-picture mode during playback and pause mode during recording.
EJECT button:	Ejects cassette.
REW (PAGE DOWN) button:	Rewinds the tape; scrolls down page in MENU mode.
STOP (DATA) button:	Stops all operations; sets data in MENU mode.
FF (PAGE UP) button:	Rapidly advance the tape; scrolls up page in MENU mode.
SEARCH (SET) button:	Executes and releases search; sets menu in MENU mode; sets standard level in TBC set mode.
SEARCH/JOG dial:	Adjusts search speed (outer dial for SHUTTLE mode; inner dial for JOG mode); selects menu in MENU mode; sets level in TBC set mode.

***Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.**

"DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

Front panel parts (cont.)



To open, turn the screw counterclockwise.

7. Editing mode setting area (AG-DS555only)/TBC mode setting area

ASSEMBLE (VIDEO LEVEL) button:	Sets assemble editing; sets video level in TBC mode.
INSERT VIDEO (SET UP) button:	Performs insert editing of video signals and Hi-Fi audio signals; sets setup level in TBC mode.
INSERT AUDIO-CH1 (CHROMA LEVEL) button:	Performs insert editing of normal audio CH1; sets chroma level in TBC mode.
INSERT AUDIO-CH2 (HUE) button:	Performs insert editing of normal audio CH2 or TC; sets hue in TBC mode.
RESET (YC DELAY) button:	Resets counter; sets YC delay in TBC mode.
CTL/TC/UB (SYSTEM H PHASE) button:	Switches counter mode; sets system H phase in TBC mode.
LTC/AUTO/VITC (SYSTEM SC PHASE FINE) button:	Switches time code read mode; sets system SC phase fine adjustment in TBC mode.
ON SCREEN (SYSTEM SC PHASE COARSE) button:	Displays data on monitor TV; sets system SC phase coarse adjustment in TBC mode.

8. Function setting area

CH2 METER switch:	Switches between tracking/video meter and audio CH2.
AUDIO MONITOR switch:	Selects monitor audio channel.
AUDIO MONITOR (METER) switch:	Switches monitor audio type.
AUDIO OUT switch:	Switches output audio type.
INPUT switch (AG-DS555 only):	Switches video input signal.
DNR switch:	DNR operation switch (Y and C levels set using the setup
TBC switch:	Switches TBC (Time Base Corrector).
DIAL MODE switch:	Switches search dial mode.
MEMORY switch:	Switches memory mode when CONTROL switch is set to "LOCAL"; switches editing mode when CONTROL switch is set to "REMOTE" (34-pin controller only).
CONTROL switch:	Switches between remote and local modes.

Counter display parts

When the DIAL MODE switch is at the SEARCH position:

Mode	Counter Display	Remarks
CTL	-8:88:88:88	The shaded area remains blank for CTL interpolation while a colon appears in the non-drop frame mode and a period indicates the drop frame mode.
TC	88:88:88:88	
UB	88 88 88 88	

When the DIAL MODE switch is at the MENU position:

Mode	Counter Display	Remarks
SELECT PAGE	5u:88 88	The shaded area flashes on and off.
SET PAGE	5u:88 88.88	
TC PRESET	88:88:88:88	The input digits flash on and off. (AG-DS555 only)
UB PRESET	88 88 88 88	

Hour meter display

The following items area indicated alternately while the RESET button is kept depressed.

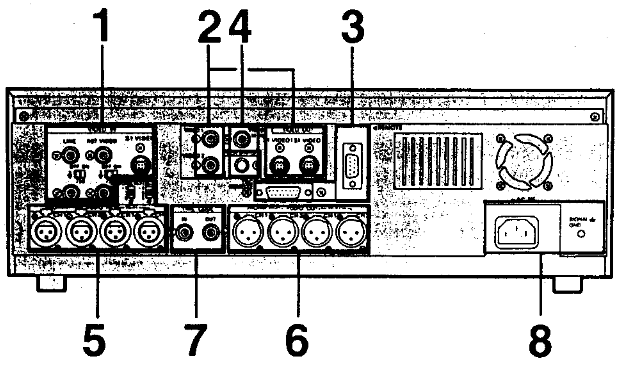
Mode	Counter Display	Remarks
Capstan rotation cumulative time	C 88 88 8H	Set the CONTROL and DIAL MODE switches to REMOTE and MENU, respectively.
Total drum rotation time	d 88 88 8H	

VITC position display

The following items are displayed while the RESET button is kept depressed.

Mode	Counter Display	Remarks
When reading of VITC position was possible	88.88 L	Set the CONTROL and DIAL MODE switches to REMOTE and SEARCH, respectively.
When reading of VITC position was not possible	--.-- L	

Rear panel parts



1. Video input signal area

S1-VIDEO IN connector (AG-DS555 only):	S1-VIDEO signal input connector.
REF VIDEO IN connector:	Input connector for external reference signal (with loop-through 75 Ω termination switch).
LINE IN connector (AG-DS555 only):	Video signal input connector (with loop-through 75 Ω termination switch).

2. Video output signal area

S1-VIDEO OUT (1, 2) connectors:	S1-VIDEO signal input connector.
VIDEO OUT (1, 2) connectors:	Video signal output connectors.

3. Remote signal area

TBC REMOTE connector:	Connector for TBC remote controller.
REMOTE 9P connector:	Connector for editing controller (9P).

4. Monitor output signal area

VIDEO connector:	Output connector for video monitor signal.
AUDIO connector:	Output connector for audio monitor signal.

5. Audio input signal area (AG-DS555 only)

Input audio level switches:	Set input level to –6, 0 or +4 dB.
NORM/Hi-Fi audio input connectors:	NORM/Hi-Fi audio (CH1/2) input connectors.
Hi-Fi audio input connectors:	Input connectors for hi-fi sound only.

6. Audio output signal area

NORM/Hi-Fi audio output connectors:	NORM/Hi-Fi audio (CH1/2) output connectors.
Hi-Fi audio output connectors:	Output connectors for hi-fi sound only.

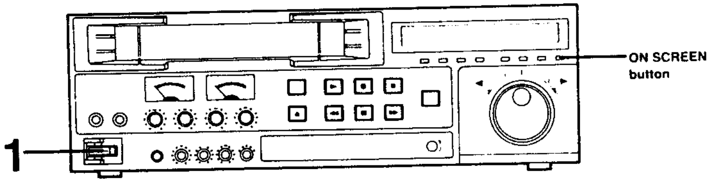
7. Time code signal area

TIME CODE IN connector: (AG-DS555 only):	Time code signal input connector.
TIME CODE OUT connector:	Time code signal output connector.

8. Power supply circuit area

SIGNAL GND terminal:	When connecting this unit to any other component, make absolutely sure that it is properly grounded by connecting this terminal.
AC IN socket:	Selected to AC 120V power outlet.

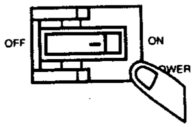
Switching on the power

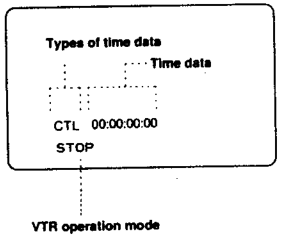

1
ON SCREEN button

1. Press the POWER switch.

The power is now supplied to the unit.

- The display below appears through VIDEO MONITOR OUT connector if the ON SCREEN button is pressed.

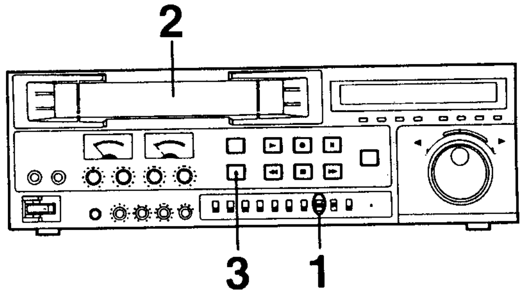

OFF
ON
POWER


Types of time data
Time data
CTL 00:00:00:00
STOP
VTR operation mode

This appears only when item No. 4004 of the dial menu function is ON.

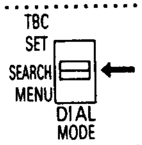
- If an error appears on the display, stop operation immediately and read page 58.

Installing a cassette



1. Set the DIAL MODE switch to SEARCH.

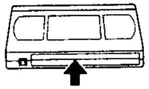
- When the DIAL MODE switch is at "MENU", operations not relating to the dial menu functions cannot be performed; when it is at "TBC SET", operations other than PLAY, STOP, FF, REW, EJECT, REC, PAUSE, EDIT cannot be performed.


TBC SET
SEARCH
MENU
DIAL MODE

2. To install the cassette tape:

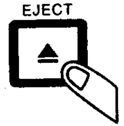
Insert the tape in the slot provided and push the center area of the cassette gently.

The cassette "in" lamp now lights in the function display lamp area.



3. To remove the cassette tape:

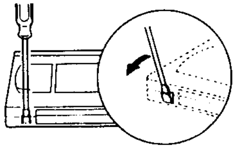
Press the EJECT button. Draw the emerging cassette tape out straight toward you.
The cassette "in" lamp now goes off.



MEMO (AG-DS555 only)

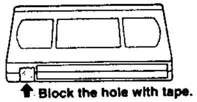
To prevent accidental erasure of recorded material:

Break out the tab to prevent further recording.



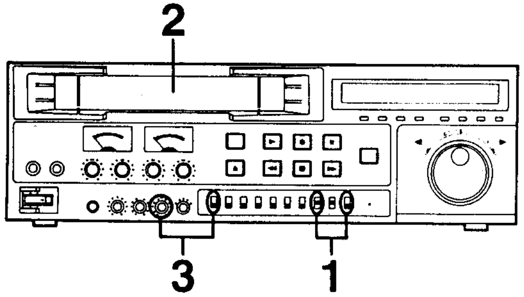
To re-record:

Block the tab hole with cellophane tape.



Block the hole with tape.

Recording (AG-DS555 only)

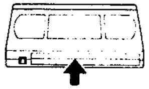


1. Set the switches (see pages 21 to 23).

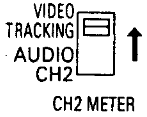
CONTROL switch → LOCAL
DIAL MODE switch → SEARCH

2. Install the cassette tape (see page 13).

Check that the tab on the recording tape for preventing accidental erasure has not been broken out.



3. Adjust the recording level.



[1] **Set the CH2 METER switch to "VIDEO TRACKING."**

[2] **Automatic adjustment**

Press in the VIDEO LEVEL control. The recording level will now be adjusted automatically.

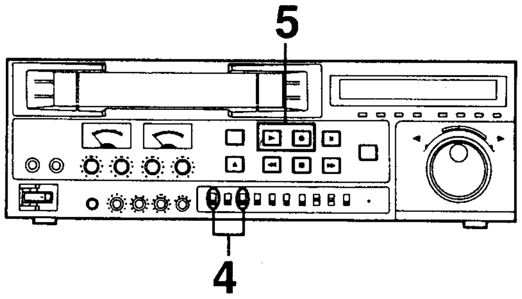
[3] **Adjustment to desired level**

Pull out and turn the VIDEO LEVEL control.

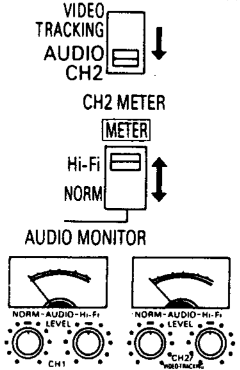
VIDEO LEVEL

The appropriate recording level is where "0" is indicated on the level meter.

- The AUDIO CH2 level meter indicates the recording level during recording.



4. Adjust the audio recording level.



[1] **Set the CH2 METER switch to "AUDIO CH2."**

[2] **Select the type of sound whose level is to be adjusted.**

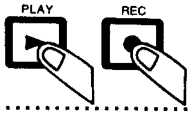
Use the METER switch for this.
Hi-Fi: The meter displays the hi-fi audio level.
NORM: The meter displays the normal audio level.

[3] **Level adjustment**

Rotate the level controls and set them to the highest possible value where the pointers do not pass beyond the "0" position on the level meters.

- Set the "AUDIO LIMITER" (item No. 3002) dial menu function to "OFF" before proceeding with the normal audio level adjustment.

5. Press the REC and PLAY buttons together.

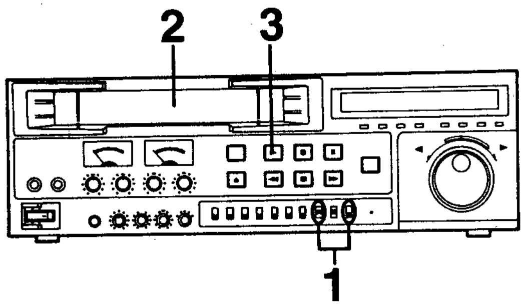


Recording now starts.

MEMO

- The dial menu functions are used to activate the audio limiter function and Dolby NR system (see page 41).
  When the audio limiter function is activated, the automatic volume limiter circuit operates to ensure that the sound is recorded without distortion even if the input level should reach an excessively high level during recording.
  The Dolby NR system ensures that the sound is recorded and played back with reduced tape noise (hiss).
- When recording Hi-Fi sound, set the "HI-FI REC" (item No. 3003) dial menu function to "ON".
- When the Hi-Fi sound is not to be recorded, it is not enough merely to set the level control to the "0" position. Be sure to set the "HI-FI REC" (item No.3003) dial menu function to "OFF".
- The Hi-Fi audio input connectors can be switched using the "HI-FI INPUT SELECT" (item No. 3004) dial menu function.
- To make a recording using an external sync signal, set the "SYNC" (item No.1001) dial menu function to "EXT".

Playback

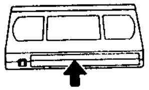


1. Set the switches (see page 21 to 23).

CONTROL switch → LOCAL
DIAL MODE switch → SEARCH

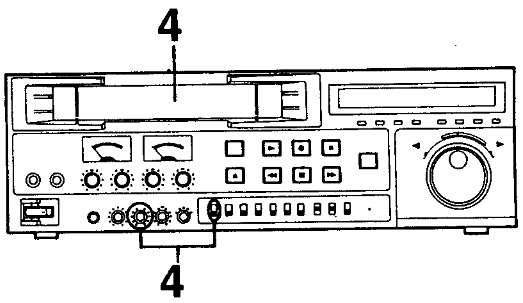
2. Install the cassette tape (see page 13).

Install the tape with the recorded sound and pictures which are to be played back.

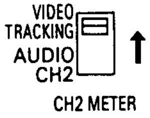


3. Press the PLAY button.

Playback now commences.



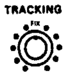
4. Adjust the tracking.



[1] **Set the CH2 METER switch to "VIDEO TRACKING."**

[2] **Normally,**

the TRACKING control is set to its center "fix" position for playback.

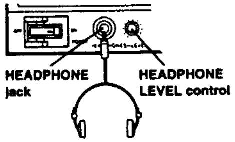


[3] **When playing back a tape which has been recorded on another VTR,**

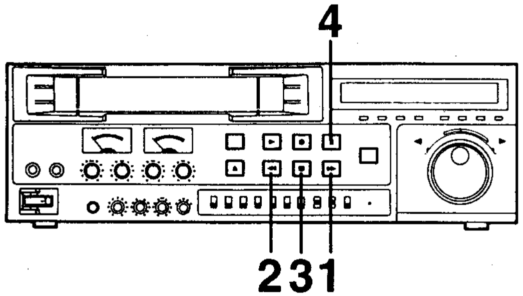
turn the TRACKING control slowly to the left or right and set so that the meter pointer deflects to the maximum.

NOTES

- Set the Dolby NR system ON using the dial menu function when playing back a tape which has been recorded using the system (see page 41).
- If the tracking shifts out of alignment during playback, the Hi-Fi lamp will go out and the Hi-Fi sound will not be output even if it was recorded.
- When using the headphones:
  The volume level may change when high-impedance headphones are connected.
- To playback a signal using an external sync signal, set the "SYNC" (item No. 1001) dial menu function to "EXIT".

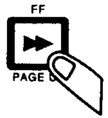


FF, REW stop and pause/still



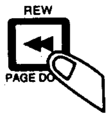
1. **Fast forwarding the tape**

   Press the FF button.



2. **Rewinding the tape**

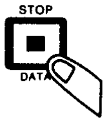
   Press the REW button.



3. **Stopping the tape**

   Press the STOP button.

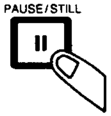
   - The STOP button lights and all operations are stopped.
   - When the "PB/EE SELECT" (item No. 2004) dial menu function is set to "EE", E-E pictures will appear on the TV monitor.



4. **Pause**

   Press the PAUSE/STILL button during recording or playback.

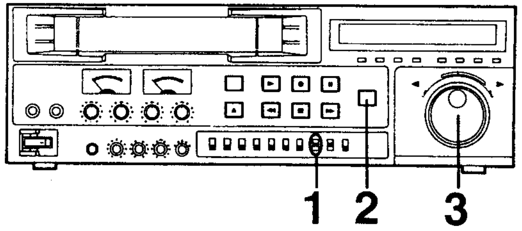
   - During playback, the unit is placed in the PLAY/STILL mode and still pictures are played back.
   - During recording, the unit is placed in the REC/PAUSE mode and recording is temporarily suspended (AG-DS555 only).



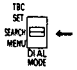
NOTES

- Set the CONTROL switch to LOCAL.
- Set the DIAL MODE switch to SEARCH.
- The unit is automatically placed in the tape protection mode if the STOP or PAUSE/STILL mode should continue beyond a certain period of time (which can be set using the item No. 1002 to 1004 dial menu function). (See page 38.)

Search operations

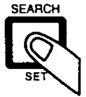


1. **Set the DIAL MODE switch to "SEARCH".**



2. **Press the SEARCH button.**

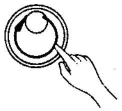
   The SEARCH button, PLAY button and PAUSE/STILL button light, indicating that a search can now be performed.

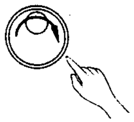


3. **Operate the search dial.**

   The inner dial is used for the jog mode and the outer dial for the shuttle mode.

   - When the dial is turned toward the right, the tape is played back in the forward direction (the FWD lamp lights); conversely, when it is turned toward the left, the tape is played back in the reverse direction (the REV lamp lights).





[1] **JOG mode**

Turn the outer dial to the center position. The tape is played back at a speed ranging from a still picture to ±1x the normal speed depending on the speed at which the inner dial is turned. When the turning of the dial is stopped, a still picture display appears regardless of the switch setting.

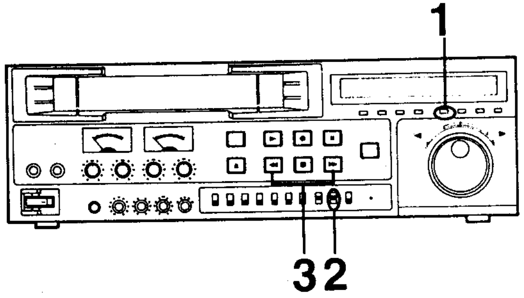
[2] **SHUTTLE mode**

In response to the angle to which the outer dial is turned, the tape can be played back at a speed ranging from 0 to 32x faster or slower than normal tape speed. (However, when the tape approaches the end, the low-speed search mode is established in order to protect the tape from possible damage.) A still picture results at the center (click-stop) position.

NOTES

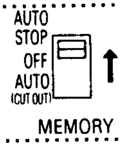
- Keep the CONTROL switch at the LOCAL position.
- When the power has been turned on again in the SHUTTLE mode, first return the dial to its center (click-stop) position and then proceed to operate it.
- When setting the direct search mode, set the "DIRECT SEARCH" (item No. 1005) dial menu function to "ON." (See page 38.)

AUTO STOP function

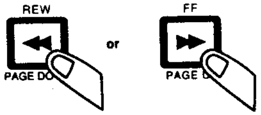


1. **Press the RESET button at the position where the tape is to be automatically stopped.**
The tape counter displays "0:00:00:00."

2. **Set the MEMORY switch to AUTO STOP.**



3. **Proceed with fast forward or rewinding.**
The tape automatically stops when the tape counter display nears the "0:00:00:00" mark.

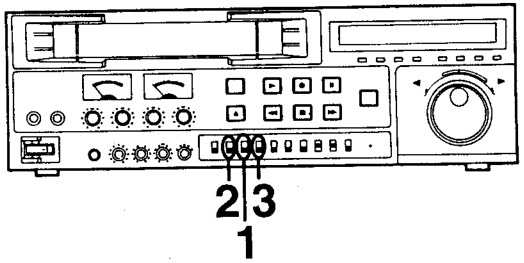


NOTE

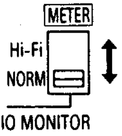
■ The AUTO STOP function does not work when:
- The CONTROL switch is at the "REMOTE" position.
- The CTL/TC/UB button is at any position except "CTL."
- DIAL MODE switch is at the "MENU" position.

1-9

Setting the audio switches

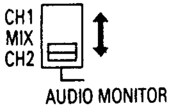


1. **Setting the AUDIO MONITOR (METER) switch**
This is used to select the sound displayed on the level meter and the sound which is output to the headphone jack on the front panel or the AUDIO MONITOR connector on the rear panel.
Hi-Fi: Hi-Fi sound is selected.
NORM: Normal sound is selected.

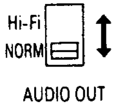


2. **Setting the AUDIO MONITOR switch**
This is used to select the audio channel for the sound output to the headphones jack on the front panel and the AUDIO MONITOR connector on the rear panel.
CH1: The CH1 sound is output.
MIX: Mixed CH1 and CH2 sound is output to the headphones jack CH1 sound is heard at the left and CH2 sound at the right.
CH2: The CH2 sound is output.

- No sound will be heard from normal audio CH2 when the "AUDIO CH2" (item No. 3006) dial menu function is set to "LTC".



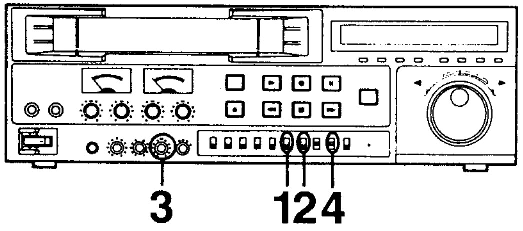
3. **Setting the AUDIO OUT switch**
This is used to select the sound which is output from the AUDIO OUT (NORM/Hi-Fi) connectors on the rear panel.
- **Hi-Fi:** Discriminates between Hi-Fi and normal audio automatically. When there is no Hi-Fi audio output signal, normal audio will be automatically outputted.
NORM: Normal sound is selected.



NOTE

■ Set "HI-FI REC" (item No. 3003) dial menu function to "ON", to record Hi-Fi sound. (AG-DS555 only)
ON: Hi-Fi sound and normal sound are recorded.
OFF: Normal sound is recorded.

Setting the video switches

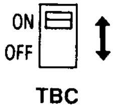


1. Setting the DNR (digital noise reducer) switch

(This switch functions only when the TBC switch is ON.)

- When playing back a tape with a reduced signal-to-noise ratio, this switch can be used to reduce the noise level as warranted by the picture quality. (However, a slight deterioration in the resolution will result.)
- Keep this switch OFF during editing. The picture may be disturbed if a tape is repeatedly edited.
- Bear in mind that when material is dubbed repeatedly in the DNR ON mode, after-imaging will be prevalent.
- The degree of S/N ratio enhancement can be controlled by setting dial menu function item No. 2013 and 2014.

2. Setting the TBC (time base corrector) switch



When this switch is set to ON, video signals with suppressed jitter are output.

ON: The TBC is activated.

OFF: The TBC is not activated. (Bypass mode)

When signals are input from a consumer VTR, the colors of the video output signals may change. (This does not affect the recording of the signals on the tape.)

3. Setting the VIDEO LEVEL control (AG-DS555 only).

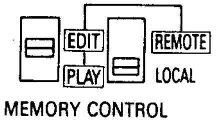
VIDEO LEVEL

This is used to adjust the video level automatically during recording.

PUSH: The video level is automatically adjusted.

PULL: The video level is manually adjusted.

4. Setting the MEMORY switch (AG-DS555 only).



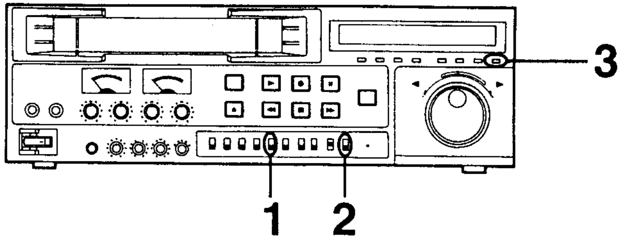
Set the CONTROL switch to "REMOTE." The switch then can be used to select whether the unit functions as source or as an editor, using the 34P controller.

PLAY: Unit functions as a player.

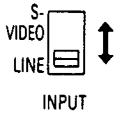
EDIT: Unit functions as an editor.

- Keep the switch at PLAY when the unit is to be used on its own.

Other switch settings



1. Setting the INPUT switch (AG-DS555 only).

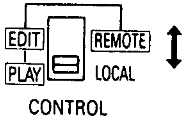


During editing this switch is set to the position corresponding with the input signal.

S-VIDEO: When recording video signals which have been input to the S1-VIDEO IN connectors.

LINE: When recording video signals which have been input to the VIDEO IN connectors.

2. Setting the CONTROL switch



This is used to set the unit's control mode.

REMOTE: Set to this position for operating the unit by remote control using an controller, etc. Only the unit's eject function will now be operational.

LOCAL: Set to this position to operate the unit.

- The operation modes of this unit in the REMOTE mode can be set using dial menu item No. 5001.

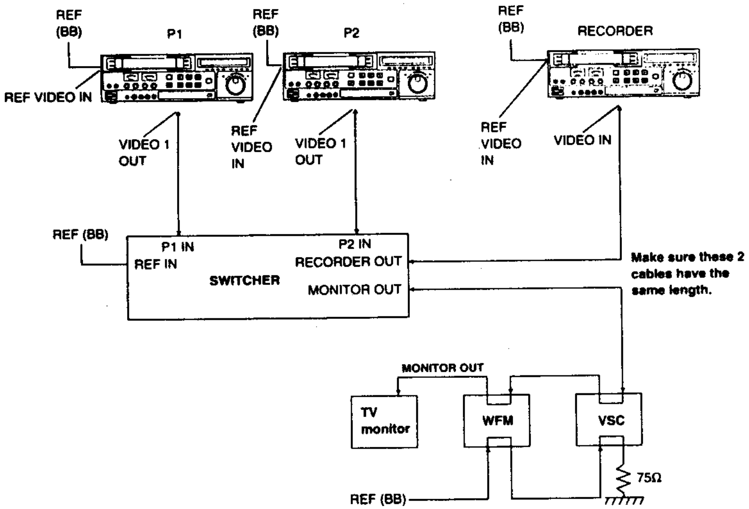
3. Setting the ON SCREEN button

This is used to add a time code or other superimpose signal to the video signal which is output from the VIDEO MONITOR connector.

TBC Adjustments

The TBC can be used to reduce the amount of jitter and distortion called skew (a phenomenon where the top part of the picture is bent horizontally).
For AB roll editing (a method of editing using two source units) using an editor, the TBC must be adjusted after it has been connected to the system so that the material will be edited accurately and error-free. (The TBC must be re-adjusted every time its connecting cable is replaced or its connections are changed.)

1. Make the connections as shown in the figure below.

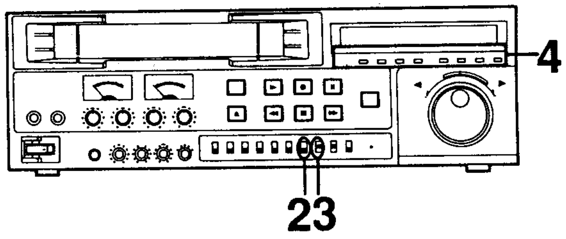


Make sure these 2 cables have the same length.

[1] Supply the external reference signal from the sync signal generator to the unit.

[2] Provide a composite connection for the video signals.

TBC Adjustments (cont.)



2. Set the TBC switch to "ON."

3. Set the DIAL MODE switch to "TBC SET."

■ The TBC SET menu (Menu No.1) is output on the monitor.

•Notes
The first menu is not output if "TBC REMOTE" (item No. 2015) dial menu function is set to "REMOTE".
Either set "TBC REMOTE" to "LOCAL" or use an external TBC encoder to perform adjustment.

Menu No.1

TBC CONTROL

1. VIDEO LEVEL
2. SET UP
3. CHROMA LEVEL
4. HUE
5. YC DELAY
6. SYSTEM H PHASE
7. SYSTEM SC PHASE FINE
8. SYSTEM SC PHASE COARSE

4. Proceed with the discrete adjustment.

Since the TBC of this unit has already been adjusted using standard color bars, the control normally used is set to "0." If readjustment is required with the tape being used, proceed from the left.

- The various items correspond to the eight buttons (TBC mode setting area) below the display tube, in order starting from the left.

[1] Playback a tape with color bars recorded on it.

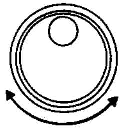
[2] Adjust the various items.
Press the button corresponding to the item you wish to adjust (TBC mode setting area) and Menu No.2 is displayed. Make adjustments by turning the JOG dial to move the cursor to the right or left.

Menu No.2

TBC CONTROL NO. 1

1. VIDEO LEVEL

3 2 1 0 1 2 3
–.........▬..........+



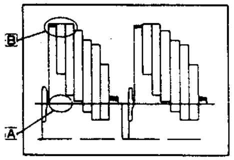
NOTE

- No adjustments can be made on the TBC SET screen menu when the screen has stopped.

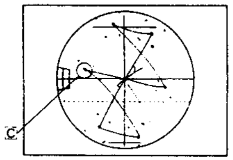
TBC Adjustments (cont.)

[3] Adjust the various items.
Adjust the various items so that the displays on the waveform monitor (WFM) and vectorscope (VSC) appear as described below.

Waveform on waveform monitor



Waveform on vetorscope



A: • **Video level**
Adjust to 100IRE.

B: • **Set-up level**
Adjust to eliminate any deviation.

C: • **Chroma level**
Adjust so that the specified level is obtained.

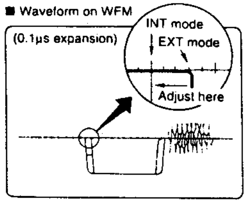
• **Hue**
Adjust so that the vector waveform traces are positioned inside the ⊞ mark on the VSC.

[4] Adjust the YC delay control.
(Normally, adjustment is unnecessary.)
Adjust this to compensate for a shift in YC delay (color shift) of the tape being played back. Each step represents an adjustment of approx. 70ns.

[5] Adjust the SYSTEM PHASE controls.
❶ Playback the standard color bars on VTR P1.
❷ Adjust the SYS PHASE controls on VTR P1.
Adjust them so that the waveform shown below appears on the waveform monitor (WFM).

1) Set the WFM to the INT mode and set the expansion to 0.1μs.
2) Check the horizontal sync position.
3) Now set the WFM to the EXT mode.
4) In the EXT mode adjust the SYS PHASE controls so that the H SYNC signal is aligned with the position above.
First adjust H, then use SC COARSE for the overall adjustment and SC FINE for the fine adjustment.
5) Adjust the SYS PHASE controls on VTR P2 in the same manner.

■ Waveform on WFM



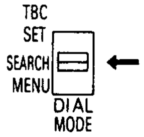
(Pay close attention to the sync signal rise.)

MEMO

Description of adjustments

VIDEO LEVEL:	Adjusts the video level.
SET UP LEVEL:	Adjusts the set-up level.
CHROMA LEVEL:	Adjusts the chroma level.
HUE LEVEL:	Adjusts the hue level.
YC DELAY:	Adjusts the YC delay.
SYSTEM H PHASE:	Adjusts the phase of the horizontal sync signal from the built-in sync generator to the external reference signal supplied from the external source in order to achieve genlock.
SYSTEM SC PHASE:	Adjusts the phase of the subcarrier signal from the built-in sync generator to the external reference signal supplied from the external source in order to achieve genlock.
COARSE:	Adjustment in 4 steps of 90°
FINE:	Continuous adjustment, range of just over 90° Together, these controls cover 360°.

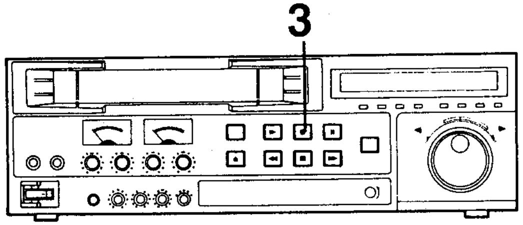
4. After completing TBC adjustments, set the DIAL MODE switch to "SEARCH."



NOTES

- ■ Pressing the SEARCH (SET) button when the Menu No. 1 is displayed returns the settings for all items, except for SYSTEM PHASE, to their initial values.
- ■ Pressing the SEARCH (SET) button when Menu No. 2 is displayed returns only the setting for that item to its initial value.
- ■ Note that ON (fixed) is the only setting for masking processing with 10 lines of the vertical blanking interval when the TBC switch has been set to ON. (Refer to the set-up menu screen "V BLANKING SELECT" (item No. 2008).)

Before proceeding with editing



"Editing" consists of taking pre-recorded tapes, combining various elements into one part, cutting out the parts which are not desired and connecting only what is required into a single program. There are two editing modes: assemble and insert. Complete the operations listed below before proceeding with editing.
(CTL editing is the type of editing which is possible when only this unit is used for editing. Time code editing is not possible.)

1. Complete the adjustments and settings (see page 21 to page 27).

2. Check whether the FRAME LOCK lamp lights when the following steps are taken.

[1] **Playback the tape which is to be edited.**

[2] **Use the TRACKING control on the source unit so that the TRACKING meter pointer deflects to its maximum.**

[3] **Set the TRACKING control on the editor to its center clickstop position.**

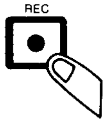
[4] **Set the "FRAME SERVO" (item No. 6005) dial menu function on the editor unit to "ON".**

[5] **Check that the FRAME lamp at the source unit side has lighted.**
- ■ If the lamp is off, set the "SYNC" (item No. 1001) dial menu function on the editor to "NORM".

[6] **Check that the FRAME lamp on the editor has lighted.**
- ■ If the FRAME lamp is off, the edited pictures may be thrown into disarray.

3. The material to be edited can be checked on the TV monitor.

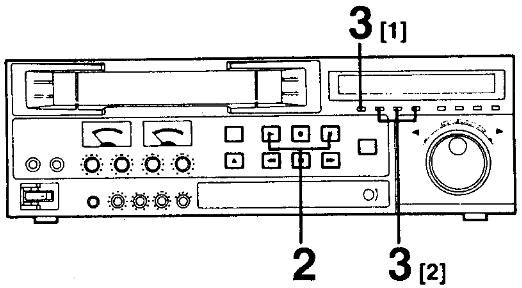
Press the REC button while playback is in progress.



E-E pictures can be viewed while the REC button is depressed.
Signals are not recorded onto the tape.

- E-E pictures cannot be viewed if a cassette has been inserted without its record tab.

Selecting the editing mode
(AG-DS555 only)

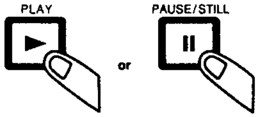


1. Proceed first with the editing preparations.

Refer to "Before proceeding with editing" on the previous page for details.

2. Set the unit to the PLAY or PLAY/STILL mode.

Press the PLAY button or PAUSE button.



3. Select the editing mode.

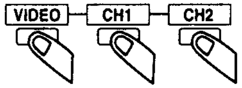
[1] **Assemble editing**

Press the ASSEMBLE button.

When it is pressed once, the button lights; when it is pressed again, its light goes off.

[2] **Insert editing**

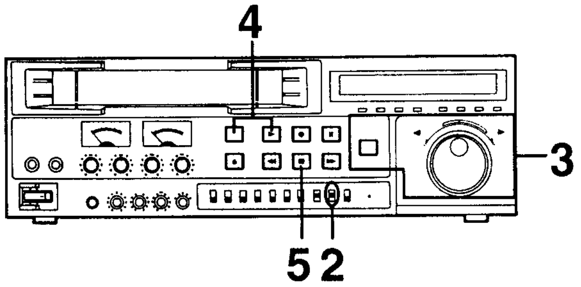
Select the INSERT (VIDEO, AUDIO-CH1, AUDIO-CH2) button corresponding to the editing.



When it is pressed once, the button lights; when it is pressed again, its light goes off.

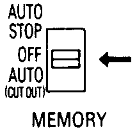
Insert editing applies only to the signals for the button which has lighted.

Executing manual editing
(AG-DS555 only)

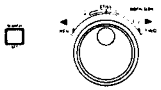


1. **Select the editing mode.**
Refer to "Selecting the editing mode" on the previous page for details.

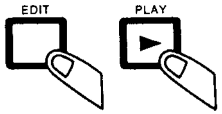
2. **Set the MEMORY switch to OFF.**
If this switch is at the AUTO (CUT OUT) position, editing will be cut out and stopped when the counter display shows "0:00:00:00."



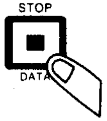
3. **Find the edit start point by conducting a search operation and place the unit in the still picture mode.**
Refer to page 19 for details on search operations.



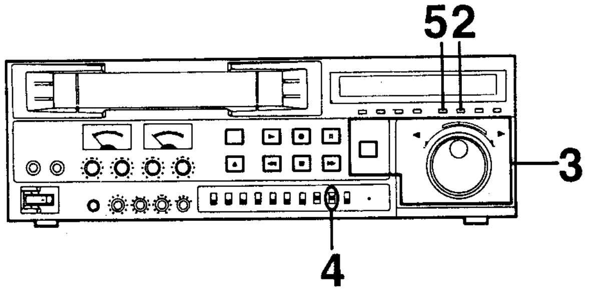
4. **Press the PLAY button while pressing down the EDIT button.**
The tape jogs back automatically for about 3 seconds, and editing commences.



5. **Press the STOP button to stop editing.**



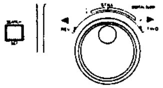
AUTO CUT OUT editing
(simple automatic editing) (AG-DS555 only)



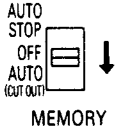
1. **Select the editing mode.**
Refer to "Selecting the editing mode" on page 29 for details.

2. **Set to CTL mode with the CTL/TC/UB**
Press the CTL/TC/UB button to switch to the CTL mode.
Each press of the button causes one of the function indicator lamps, "CTL," "TC" or "UB," to light.

3. **Find the edit end point by conducting a search operation and place the unit in the still picture mode.**
Refer to page 18 for details on search operations.

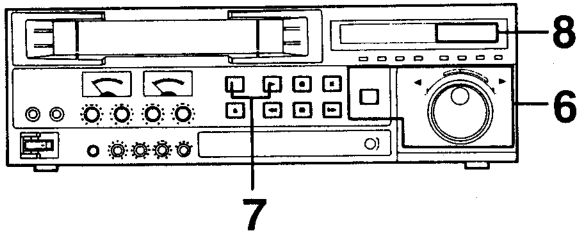


4. **Set the MEMORY switch to AUTO (CUT OUT).**

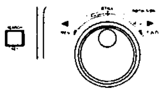


5. **Press the RESET button.**
The tape counter is reset to "0:00:00:00." The corresponding place on the tape is the edit end point.

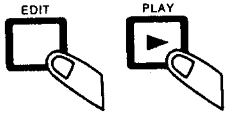
AUTO CUT OUT editing
(simple automatic editing) (AG-DS555 only)



6. **Find the edit start point by conducting a search operation and place the unit in the still picture mode.**
Refer to page 18 for details on search operations.



7. **Press the PLAY button while pressing down the EDIT button.**
The tape jogs back automatically for about 3 seconds, and editing commences.



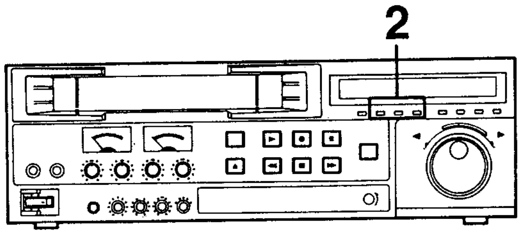
8. **End of editing**
When the tape counter reaches "0:00:00:00," editing will be automatically cut out.

- With insert editing, the tape is rewound automatically in the vicinity of the cut out point.

0:00:00:00
HOURS
MINUTES
SECONDS
FRAMES

Split editing (AG-DS555 only)

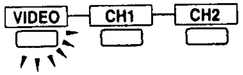
"Split editing" consists in changing the editing signals during insert editing.



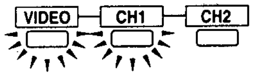
1. **Execute insert editing.**
See page 30 for details.

2. **Change the editing signals.**
Example of operation:
Adding and inserting the AUDIO CH1 sound during the insert editing of the VIDEO/Hi-Fi signals

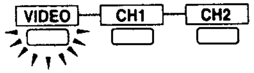
[1] **Insert editing of the VIDEO/Hi-Fi signals in progress**



[2] **Press the AUDIO CH1 button.**
The AUDIO CH1 sound is insert-edited.



[3] **Press the AUDIO CH1 button again.**
The insert-editing of the AUDIO CH1 sound is terminated.



NOTES

- The editing mode cannot be switched to assemble editing while insert editing is in progress.
- The editing mode cannot be switched to insert editing while assemble editing is in progress.
- The editing signals cannot be switched during the approximately 3-second long AUTO BACK operation or while the tape is traveling in preparation.

Precautions for editing
(AG-DS555 only)

If the EDIT START button is pressed without the editing mode having been set, the edit mode buttons (ASSEMBLE, VIDEO Hi-Fi, AUDIO CH1, AUDIO CH2) flash 6 times to prompt the operator to select the mode.

Due to the preroll requirements, a pre-recorded section lasting at least 3 seconds must precede the edit start point. Editing cannot be conducted from the very start of the tape.
Normally, the controller's preroll time is set to 5 or more seconds. However, when phase-synchronized editing is not to be performed, editing is possible with a 3-second preroll time by using an external sync signal (EXT).

Precaution for assemble editing

- Bear in mind that about 2 seconds of the original recording after the edit end point will be erased.

Precautions for insert editing

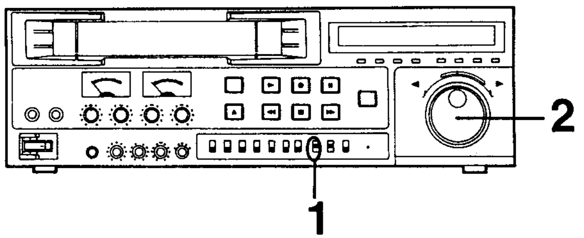
- The picture will be thrown into disarray at the edit start and end points if insert editing is conducted using the VHS system on a tape which has been recorded using the S-VHS system.
- Since the control signal is used for the editing, make sure that the edit period does not extend beyond the recording made on the tape.

Precautions for EE picture

NON V-FLOAT:	The positions of the external sync signal and EE picture's V-SYNC signal tally. The video start line is delayed by an amount equivalent to the time taken by the Time Base Corrector and other processing.
V-FLOAT:	The positions of the external sync signal and EE picture's V-SYNC signal do not tally but the proper relationship between the video start line and V-SYNC signal is maintained.

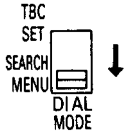
- At the V-FLOAT position, the EE picture may move slightly in the perpendicular direction.

Using the dial menu functions

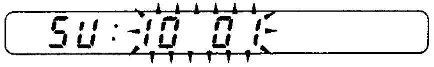


1. **Set the DIAL MODE switch to MENU.**

This disables all operations except those relating to the dial menu functions.
(This unit remains in the mode which was established before the dial menu functions were displayed.)



The following appears on the display.



The SETUP-MENU screen appears on the monitor which is connected to the MONITOR VIDEO connector.
The monitor display shows the following.

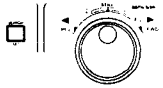
```
SETUP-MENU NO. 1001

01 SYNC ← Flashing display
02 STILL TIME SELECT
03 TAPE PROTECTION
04 READY OFF MODE SELECT
05 DIRECT SEARCH
06 SHORT FF
07 AUTO REW
```

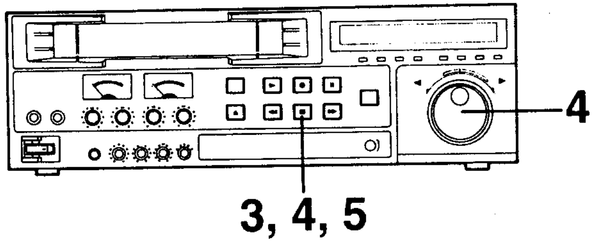
2. **Turn the JOG dial and locate the setting item**

When it is turned clockwise, the number is successively incremented from 1001 → 1002 → 1103 → etc. Conversely, when it is turned counterclockwise, the number is successively decremented. (The selected item is indicated by flashing.)

- Press the FF (page up) or REW (page down) button to scroll the menu up or down in 1-page units.



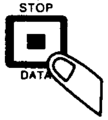
Using the dial menu functions (cont.)



3. Press the STOP button when the desired item is located.

The set-up change screen is displayed while the STOP button is kept depressed.
The following appears on the display.

```
SU: 10 01·03
```



The monitor display shows the following.

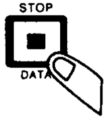
```
SETUP-MENU  NO. 1001-00

01 SYNC

        NORM  ⇦ Flashing display
```

4. Turn the JOG dial while pressing the STOP button.

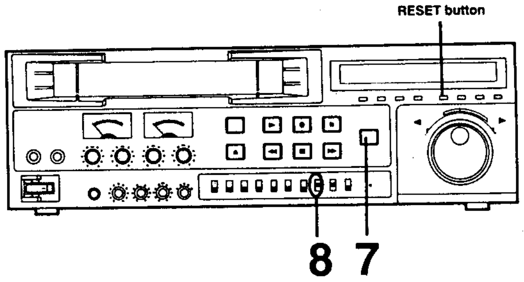
The flashing display changes. Set the item to the desired value.



5. Release the STOP button.

NOTE

- The setting method differs for item No. 2008, 7010 and 7011. (See page 46.)



6. Repeat steps 3 to 5.

Set all the items whose set-up is to be changed to the desired value.

7. Upon completion of the settings, press the SEARCH (SET) button.

The set-up changes are now entered, and the following message appears.

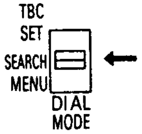
```
[SETUP-MENU END]
SET TO SEARCH POS
```

■ The display indication returns to the normal counter indication.

8. Return the DIAL MODE switch to SEARCH.

The normal screen is returned.

- If the switch is returned to SEARCH without the SET button having been pressed in step 7, the settings will not be entered.



MEMO

- To return set-up items to their original (factory-set) settings, press the RESET button when the SETUP-MENU is indicated. The following message appears.

```
SETUP-MENU  INIT. SET
OK ?  (PUSH PLAY KEY)
```

The values are restored to their original settings when the PLAY button is pressed.

Set-up menu screen

Operation/function set-up items

Item		Set-up value		Description of function
No.	**Superimpose display**	**No.**	**Superimpose display**	
1001	SYNC	00 01	NORMAL EXT	Selects the sync signal. 00: Synchronization with the input video signal. 01: Synchronization with the external sync signal.
1002	STILL TIME SELECT	00 01 02 03	2 SEC 30 SEC 1 MIN 5 MIN	When the unit is in the STOP or STILL mode, this selects the duration of time after which the unit is automatically placed in the TAPE PROTECTION mode in order to protect the tape. The setting is valid from the next time the STOP or STILL mode is activated.
1003	TAPE PROTECTION	00 01	READY OFF AUTO ADVANCE	Selects the operation to be performed in the TAPE PROTECTION mode. The setting is valid from the next time the TAPE PROTECTION mode is activated. 00: The READY OFF mode is established. 01: Each time the duration specified by the STILL TIME SELECT setting elapses, the tape is advanced three frames, and the unit enters the READY OFF mode approximately 30 minutes later.
1004	READY OFF MODE SELECT	00 01 02	DRUM ROTATE DRUM STOP UNLOADING	Selects the operation in the READY OFF mode. 00: Drum rotates due to loose tape. 01: Drum stops due to loose tape. 02: Unloading
1005	DIRECT SEARCH	00 01	OFF ON	Selects the direct search mode. 00: Normal search operation 01: Unit is automatically placed in the search mode when the search dial is operated even without the search button being pressed.
1006	SHORT FF	00 01	OFF ON	Selects the short FF function. 00: No short FF operation. 01: Short FF operation is conducted at tape start.
1007	AUTO REW	00 01	OFF ON	Selects the auto rewind function. 00: Stops at tape end. 01: When the tape reaches the end, it is automatically rewound to the start and the unit stops operating.
1008	AUTO BACK (AG-DS555 only)	00 01	OFF ON	Sets the auto back space recording function. 00: Normal recording/pause mode 01: When the REC button is pressed in the PLAY/STILL mode or if the PAUSE/STILL button is pressed during recording, the tape is rewound for about 3 seconds and the unit is placed in the standby mode. When the PAUSE/STILL button is then pressed, the unit conducts playback for 3 seconds and then recording commences.

[The shading denotes the initial setting.]

Video set-up items

Item		Set-up value		Description of function
No.	**Superimpose display**	**No.**	**Superimpose display**	
2001	IMAGE MODE SELECT	00 01	NORMAL EDIT	00: Select this setting for normal operation. The noise canceler and CAC function operate for both the luminance and chrominance signals. 01: Select for editing.
2002	VIDEO MODE	00 01	AUTO B/W	Selects the color mode of the input video signal. 00: The color or black-and-white mode is detected automatically in accordance with the input signals. 01: Forces black-and-white mode operation.
2004	PB/EE SELECT	00 01	PB/EE EE	Sets the image that appears on the screen when the unit is in the STOP mode. 00: The playback image is output. 01: The EE image is output.
2005	WIDE MODE SELECT	00 01 02	AUTO WIDE NORMAL	Sets the unit's operation for WIDE IDs. 00: Records a WIDE ID on the tape when wide data is encountered in the input signal during recording. During playback, wide data is added to the Y and C output signals if there is a WIDE ID on the tape. 01: Appends wide data to the Y/C output signal and records a WIDE ID on the tape during recording. 02: No wide data is accepted.
2006	S-VHS REC (AG-DS555 only)	00 01	OFF ON	Selects the recording format. 00: Recording are made in VHS format. 01: Recording are made in S-VHS format. (With an S-VHS tape only)
2007	HSW BLANKING SELECT	00 01	OFF ON	Specifies whether masking processing is to be performed in the switching area during playback.
2008	V BLANKING SELECT	11 12 13 14 15 16 17 18 19	OFF/ON OFF/ON OFF/ON OFF/ON OFF/ON OFF/ON OFF/ON OFF/ON OFF/ON	Specifies for each individual line whether to perform masking processing in the input signal vertical blanking interval during playback. 11 : 11_LINE 12 : 12_LINE 13 : 13_LINE 14 : 14_LINE 15 : 15_LINE 16 : 16_LINE 17 : 17_LINE 18 : 18_LINE 19 : 19_LINE (10 : fixed)

[The shading denotes the initial setting.]

Video set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
2010	DOC SELECT	00 01	3LINE3D 3D ONLY	Selects the DOC mode. 00: 2-dimensional DOC up to 3H; 3-dimensional DOC for 4H and above. 01: 3-dimensional DOC (field DOC)
2011	FREEZE AT READY OFF	00 01	OFF ON	Selects whether or not to freeze the screen when READY OFF takes place. 00: Do not freeze. 01: Freeze.
2012	FREEZE AT STOP	00 01	OFF ON	Selects whether or not to freeze the screen when switching from PLAY to STOP. 00: Do not freeze. 01: Freeze.
2013	Y-DNR LEVEL SELECT	00 01 02	OFF LEVEL 1 LEVEL 2	Selects the DNR level for the luminane signal. 00: Performs no DNR processing on the luminance signal. 01: Performs DNR level 1 processing on the luminance signal. 02: Performs DNR level 2 processing on the luminance signal.
2014	C-DNR LEVEL SELECT	00 01 02	OFF LEVEL 1 LEVEL 2	Selects the DNR level for the chrominane signal. 00: Performs no DNR processing on the chrominane signal. 01: Performs DNR level 1 processing on the chrominane signal. 02: Performs DNR level 2 processing on the chrominane signal.
2015	TBC REMOTE	00 01	LOCAL REMOTE	Selects the TBC adjustment mode. 00: Adjustment is performed from the TBC SET. 01: Adjustment is performed by remote control from outside.
2019	TBC CONTROL SELECT	00 01	V-FLOAT NON V-FLOAT	Used to float the internal SYNC to enable H to be aligned with the reference signal and V to be aligned with the input signal. 00: Floating 01: Not floating

[The shading denotes the initial setting.]

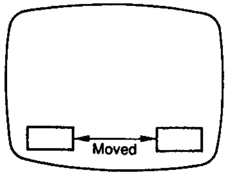
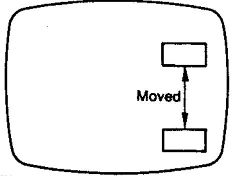
Audio set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
3001	DOLBY NR	00 01	OFF ON	Sets the Dolby NR system. 00: Dolby NR system OFF. 01: Dolby NR system ON.
3002	AUDIO LIMITER (AG-DS555 only)	00 01	OFF ON	Set the audio limiter function. 00: Dynamic volume is recorded in its orginal form. 01: Automatic volume limiter circuit operates to enable sound to be recorded without distortion even when the input level reaches an excessively high level at moments during recording. (This function works for normal sound only.)
3003	HI-FI REC (AG-DS555 only)	00 01	OFF ON	Selects the Hi-Fi recording setting. 00: Only normal audio is recorded; no Hi-Fi audio is recorded. 01: Both Hi-Fi and normal audio are recorded.
3004	HI-FI INPUT SELECT (AG-DS555 only)	00 01	HI-FI INPUT NORMAL INPUT	Selects input connectors druing Hi-Fi sound recording. 00: Hi-Fi audio input connectors 01: NORM/Hi-Fi audio input connectors
3005	CH1 REC (AG-DS555 only)	00 01	CH1 MIX	Selects the input during normal sound CH1 recording. 00: Records CH1 sound. 01: Records mixed CH1/CH2 sound.
3006	AUDIO CH2	00 01	AUDIO LTC	Switches normal audio on or off in CH2. 00: CH2 is used for audio recording. 01: CH2 is used as the LTC track.

[The shading denotes the initial setting.]

Set-up menu screen (cont.)

Superimpose set-up items

Item		Set-up value		Description of function
No.	**Superimpose display**	**No.**	**Superimpose display**	
4001	CHARACTER	00 01	Selection is made while observing superimpose display.	Selects background mode for VIDEO MONITOR superimpose display. 00: Black display = LTCR 00:00:00:00 01: Edge display = LTCR 00:00:00:00
4002	CHARACTER H-POSITION	00 01 02 03 04 05 06 07	Selection is made while observing superimpose display.	Selects horizontal position for VIDEO MONITOR superimpose display; moves characters to right as No. is increased. 
4003	CHARACTER V-POSITION	00 01 02 03 04 05 06 07	Selection is made while observing superimpose display.	Selects horizontal position for VIDEO MONITOR superimpose display; moves characters to right as No. is increased. 
4004	STATUS SUPER	00 01	OFF ON	Selects whether VTR operation mode is to be indicated as a superimposed display. 00: VTR operation not displayed. 01: VTR operation displayed.

[The shading denotes the initial setting.]

Remote set-up items

Item		Set-up value		Description of function
No.	**Superimpose display**	**No.**	**Superimpose display**	
5001	EJECT/STOP FNCTN REM.	00 01	POSSIBLE NOT POSSIBLE	Enables or disables operation of panel EJECT/STOP button in remote mode. 00: Enables operation. 01: Disables operation.
5002	9P DEVICE TYPE SELECT *This is displayed only when 9P remote connector is mounted	00 01	OTHER TYPES S-VHS ID	Selects ID code returned to 9P device type request command. 00: When connecting a controller not made by Panasonic. 01: When connecting a controller made by Panasonic.
5003	9P FF/REW MODE *This is displayed only when 9P remote connector is mounted	00 01	LOADING UNLOADING	Selects the unit's operation in response to FF and REW commands. 00: FF or REW are excuted with the tape loaded. 01: FF or REW are excuted after the tape is unloaded.
5004	34P SHTL MAX SPEED *This is displayed only when 34P remoter (AG-IA834) connector is mounted	00 01	*10 ×20	Sets maximum shuttle speed when controlled by 34P controller. 00: 10x normal tape speed 01: 20x normal tape speed
5005	34P CONTROLLER TYPE *This is displayed only when 34P remoter (AG-IA834) connector is mounted	00 01	TYPE-1 A750 A770 A800 TYPE-2 A650 A500 A505	Selects type of 34P controller to be connected.

[The shading denotes the initial setting.]

Editing set-up values

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
6001	DROP/NON-DROP FRAME	00 01	**NON-DROP FRAME** DROP FRAME	Sets whether to compensate time deviations for time code or control signal. 00: Non-drop frame processing; time deviations are not compensated; 30 frames are processed as 1 second. 01: Drop frame processing; deviations between color sync and real time are compensated. Two frames (.00 .01) are skipped from start of positive numbers except 0, 10, 20, 30, 40 and 50.
6002	AUTO PREROLL ENTRY	00 01	NOT ENTERED **ENTERED**	Selects whether to enter IN point by preroll command when IN point has not been entered. 00: Not entered 01: Entered
6003	PREROL TIME	00 01 : 05 : 10 : 15	0 SEC 1 SEC : **5 SEC** : 10 SEC : 15 SEC	Selects preroll time for 9P control from 0 to 15 sec.
6004	PLAY DELAY	00 01 : 05 : 10 : 15	**0 FRAME** 1 FRAME : 5 FRAME : 10 FRAME : 15 FRAME	Selects play delay time during play start from 0 to 15 frames.
6005	FRAME SERVO	00 01	OFF **ON**	Sets framing mode 00: Set to this position when signals not in conformity with EIA standard signals (RS-170) are supplied. Framing is not conducted. 01: Framing is conducted if set to this position when signals in conformity with EIA standard signals (RS-170) are supplied.

[The shading denotes the initial setting.]

Time code set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
7001	TC INT/EXT SELECT (AG-DS555 only)	00 01	**INT** EXT	Set this switch to EXT if an external time code connection has been made.
7002	VIDEO MODE (AG-DS555 only)	00 01 02	**REGEN** REC RUN FREE RUN	Selects the TC mode. 00: Operates to maintain continuity of the data on the tape. 01: Uses an internal preset value to advance the tape only during recording. 02: Uses an internal preset value to advance the tape all the time.
7003	VITC REC (AG-DS555 only)	00 01	OFF **ON**	Selects whether or not to use VITC recording. 00: Don't use VITC recording. 01: Use VITC recording.
7004	VITC POSITION SEL-1 (AG-DS555 only)	00 01 : 05 06 : 09	10 LINE 11 LINE : 15 LINE **16 LINE** : 19 LINE	Selects VITC signal insertion line. *Same line as No. 7005 cannot be selected. (Avoid selecting an adjoining line.)
7005	VITC POSITION SEL-2 (AG-DS555 only)	00 01 : 07 08 09	10 LINE 11 LINE : 17 LINE **18 LINE** 19 LINE	Selects VITC signal insertion line. *Same line as No. 7004 cannot be selected. (Avoid selecting an adjoining line.) **Note:** Do not select line 10 or 11 if the TBC facility is to be used at ON. Skew may make it impossible to read the VITC. There is no effect in the BYPASS mode.
7006	VITC REGEN (AG-DS555 only)	00 01	**PLAY** PLAY + REC	Selects when to use VITC REGEN processing. 00: Perform REGEN processing during playback. 01: Perform REGEN processing during playback and when recording audio.
7007	TCG REGEN MODE (AG-DS555 only)	00 01 02	**TC*UB** TC UB	Selects regeneration signal when TCG is in REGEN mode. 00: Regeneration for time code and user's bit. 01: Regeneration for time code only. 02: Regeneration for user's bit only.
7008	TC OUT SIGNAL REGEN	00 01	**OFF TAPE** REGEN	Sets the waveform to be output from the TIME CODE OUT connector when in the INTERNAL REGEN mode. 00: Outputs the playback signal without modification. 01: Outputs the playback signal with REGEN processing during SERVO LOCK only.

[The shading denotes the initial setting.]

Set-up menu screen (cont.)

Time code set-up items

Item		Set-up value		Description of function
No.	**Superimpose display**	**No.**	**Superimpose display**	
7009	UB BINARY GROUP FLAG	00 01 02 03	NOT SPECIFIED ISO CHARACTER UNASSIGNED 1 UNASSIGNED 2	Selects the way the user's bit is used using TCG generation. 00: Not character set specified. 01: 8-bit character set conforming to ISO646 and ISO2022. 02: Undefined. 03: Undefined.
7010	TIME CODE PRESET (AG-DS555 only)	00	TCG preset value is set while observing the screen.	Sets preset value of time code generator. 00:00:00:00~23:59:59:29
7011	U-BIT PRESET (AG-DS555 only)	00	UBG preset value is set while observing the screen.	Sets preset value of user's bit. 00:00:00:00~FF:FF:FF:FF
7012	EXT VITC READ (AG-DS555 only)	00 01	REC EJECT+STOP+REC	Selects the mode for reading the VITC of the input video signal. 00: VITC is read only during recording. 01: VITC is read in the eject, stop or recording mode.
7013	9P VITC TO DUMMY LTC *This is displayed only when 9P remote connector is mounted	00 01	OFF ON	Selects the response from 9P to CURRENT TIME SENSE when CH2 is set to "AUDIO." 00: REQUEST TIME DATA MISSING is returned. 01: VITC data is returned as LTC.
7014	9P INTERPOLATED VITC *This is displayed only when 9P remote connector is mounted	00 01	HOLD VITC INTERPOLATED LTC	Selects the response method used to return the VITC CTL interpolation value from 9P in response to CURRENT TIME SENSE. 00: HOLD_VITC (74H 16H) is returned. 01: INTERPOLATED_LTC (74H 14H) is returned.

2008/7010/7011 setting method

1. Press the STOP button at item No. 2008, 7010 or 7011.
2. Turn the JOG dial and move the display to be changed (flashing display).
3. The ON and OFF will switch for item No. 2008, and the value will change for item No. 7010 and 7011 when the JOG dial is turned while the STOP button is kept pressed.
4. Press the SEARCH (SET) button upon completion of the settings.

- The present time code value is displayed as the initial value for item No. 7010 and 7011. When the RESET button is pressed, it will be reset to "00:00:00:00." (AG-DS555 only)
- Operation is not possible for item No. 7010 and 7011 unless the "TC INT/EXT SELECT" (item No. 7001) dial menu function set to "INT" and "TC MODE" (item No. 7002) dial menu function is set to "REC RUN" or "FREE RUN." (AG-DS555 only)
- Once the setting mode is entered for item No. 2008, 7010 or 7011, operation cannot be returned to the setting mode of any other item. When the SEARCH (SET) button is pressed upon completion of the setting, the change made to the previous setting for the item will be entered. On the other hand, when the DIAL MODE switch is set to SEARCH without pressing the SEARCH (SET) button first, all the settings including the one which was made previously will be canceled.

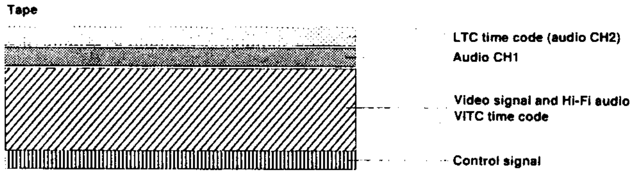
Time Code/user's bit

Time code

The "time code," which is based on the time code signal generated by the time code signal generator, recorded on tape, and read out by the time code signal reader, is used to display absolute positions on the tape in units of "hours:minutes:seconds:frames." Knowing an absolute position makes it possible to conduct editing accurately and search operations speedily.

There are two types of time codes: LTC (longitudinal time code) and VITC (vertical interval time code). The LTC is recorded on the tape's normal audio CH2 track. It is used to record the position information on the tape and user's bit information.

The VITC is recorded in the vertical blanking period of the video signals so that even without using the normal audio CH2 track, it is used to record the information regarding position on the tape and user's bit information.



The time code itself is indicated on the display and superimposed on the TV monitor.

LTCR 00:07:04:24

Time code mode **Hours** **Minutes** **Seconds** **Frames**

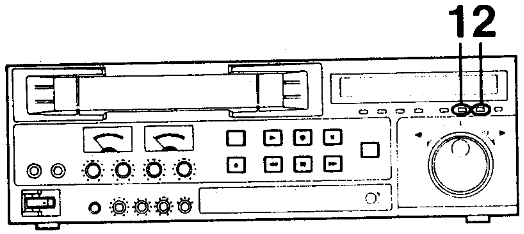
User's bit

Among the time code signals, the "user's bit" is an information released to the user. It is used to record the operator number or real time.

LUBR AB CD EF 88

A total of 16 characters—numbers 0 to 9, A, B, C, D, E and F—can be used for the user's bit.
(The characters "B" and "D" are displayed in small letters in the counter display.)

Setting the time code switches



1. Setting the CTL/TC/UB button

This selects the time code mode which is indicated on the display.

CTL: The CTL (control) signal value is indicated.
TC: The time code value is indicated.
UB: The user's bit value is indicated.

CTL/TC/UB

2. Setting the LTC/AUTO/VITC button

This selects the read out mode of the time code.

LTC: The LTC time code signal recorded on linear track CH2 is read out.
AUTO: Priority is given to reading out the VITC signal when in the slow mode, and to reading out the LTC signal at all other times.
VITC: Only the VITC signal is read out.

- Interpolation is provided by the CTL signal when it is no longer possible to read out the time code signal in any of the modes.

LTC/AUTO/VITC

3. Settings with the dial menu functions

The time code set-up can be performed using dial menu function item No. 7001 to 7009. (See pages 45, 46.)
The preset values for the time code and user's bit can be set using dial menu function item No. 7010 and 7011.

Recording the time code/user's bit
(AG-DS555 only)

1. Recording the optional (preset) time code/user's bit

[1] **Set the "TC INT/EXT SELECT" (item No. 7001) dial menu function to "INT." (See page 45.)**

[2] **Set the "TC MODE" (item No. 7002) dial menu function to "REC RUN." (See page 45.)**

[3] **Set the preset value using dial menu function item No. 7010 or No. 7011. (See page 46.)**
- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO" when the LTC time code is not to be recorded. (See page 41.)
- Set the "VITC REC" (item No. 7003) dial menu function to "OFF" when the VITC time code is not to be recorded. (See page 45.)

2. Recording the continuous time code on the editing tape

[1] **Set the "TC INT/EXT SELECT" (item No. 7001) dial menu function to "INT." (See page 45.)**

[2] **Set the "TC MODE" (item No. 7002) dial menu function to "REGEN." (See page 45.)**
- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO" when the LTC time code is not to be recorded. (See page 41.)
- Set the "VITC REC" (item No. 7003) dial menu function to "OFF" when the VITC time code is not to be recorded. (See page 45.)

3. Dubbing the LTC signal recorded on the tape (Dubbing the LTC signal with the settings below prevents deterioration in the LTC time code signal.)

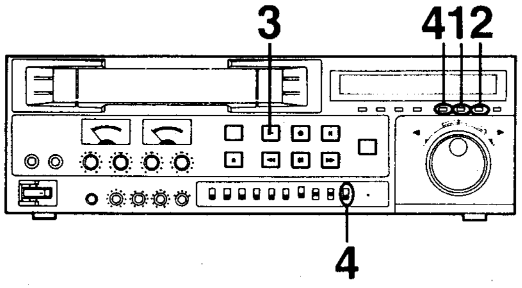
[1] **Set to "LTC" mode with the LTC/AUTO/VITC button. (See page 48.)**

[2] **Set to "TC" mode with the CTL/TC/UB button. (See page 48.)**

[3] **Set the "TC MODE" (item No. 7002) dial menu function to "REGEN." (See page 45.)**

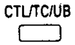
[4] **Set the "TC OUT SIGNAL REGEN" (item No. 7008) dial menu function to "REGEN." (See page 45.)**

Playing back the time code/user's bit



1. **Set to TC or UB mode with the CTL/TC/UB button.**

TC: For time code playback.
UB: For user's bit playback.



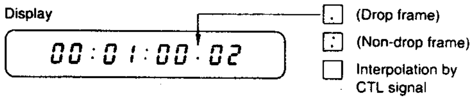
2. **Set the LTC/AUTO/VITC button.**

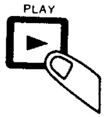
LTC: The LTC time code signal recorded on linear track CH2 is read out.
AUTO: Priority is given to reading out the VITC signal when in the slow mode, and to reading out the LTC signal at all other times.
VITC: Only the VITC signal is read out.

- Interpolation is provided by the CTL signal when it is no longer possible to read out the time code signal in any of the modes.

LTC/AUTO/VITC

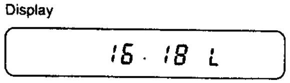
3. **Press the PLAY button.**


Display
00:01:00.02
(Drop frame)
(Non-drop frame)
Interpolation by CTL signal

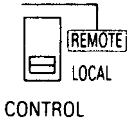


4. **To check the VITC insertion lines during playing back.**

Set the CONTROL Switch to "REMOTE" and press the RESET button.

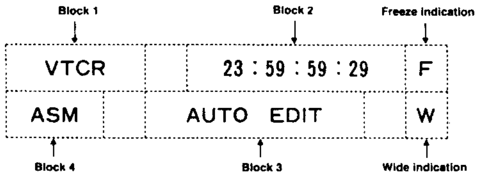

Display
16.18 L

(When VITC is inserted in line 16 and 18.)


REMOTE
LOCAL
CONTROL

Superimpose screen

When the ON SCREEN switch in the front pocket is set to ON, the superimpose signal listed below are added to the signals output from the VIDEO MONITOR connector.
The superimpose display does not appear in the dial menu mode.


Block 1
Block 2
Freeze indication
VTCR
23 : 59 : 59 : 29
F
ASM
AUTO EDIT
W
Block 4
Block 3
Wide indication

Block 1

The time code modes are addreviated on the display usign the following characters.

■ AG-DS555/AG-DS545
CTL: Control signal
LTCR: Playback value of LTC time code
VTCR: Playback value of VITC time code
LUBR: Playback value of LTC user's bit
VUBR: Playback value of VITC user's bit

■ AG-DS555 only
TCG: Time code generator value
ETCG: External time code generator value
LUBG: Generator value of LTC user's bit
VUBG: Generator value of VITC user's bit
EUBG: Generator value of external user's bit

Block 2

The time code value is indicated in hours, minutes, seconds and frames, each with 2 digits.
(In the UB mode, no colon is displayed.)

12:34:43:21

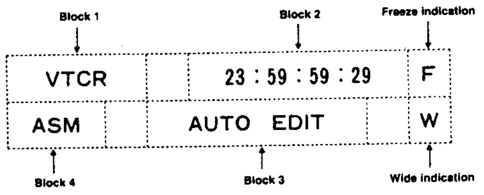
[:] = Non-drop frame mode
[.] = Drop frame mode
[ ] = Time code reading disabled

Block 3

The VTR operating modes are indicated as below.

■ AG-DS555/AG-DS545
EJECT (eject)
PLAY (playback)
STOP (stop)
FF (fast forward)
REW (rewind)
STILL (pause)
READY-OFF (ready mode retease)

■ AG-DS555 only
REC(recording)
EDIT (editing)
EPLY (edit play)


Block 1
Block 2
Freeze indication
VTCR
23 : 59 : 59 : 29
F
ASM
AUTO EDIT
W
Block 4
Block 3
Wide indication

Block 3 *(cont.)*

The search is also displayed.

JOG XXXXX (jog)
SHTL XXXXX (shuttle)

"xxxxx" denotes the search speed.

−1/25 Tape speed (in this case, search proceeds in the reverse direction at 1/25x normal playback speed)

:Forward direction/-:reverse direction

When the recorded part comes to an end during playback,the lamp below flashes and the image is frozen:

FREEZE

Block 4

The edit modes are indicated as follows.

ASM (Assemble)
V12 (Insert): VIDEO, AUDIO-CH1, AUDIO-CH2

NOTE

- The block 3, 4 displays and wide indication appears only when the "STATUS SUPER" dial menu function (item No. 4004) is set to ON.

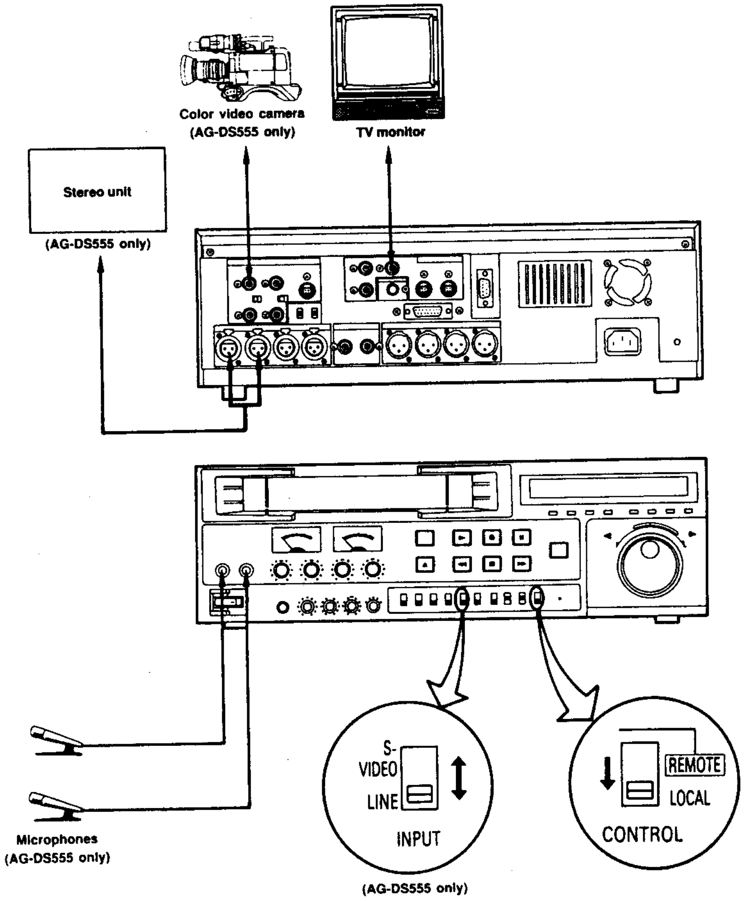
REFERENCE

- The superimpose display characters can be changed using the dial menu function (item No. 4001). (See page 42.)
- The superimpose display position can be moved using the dial menu function (item No. 4002, 4003). (See page 42.)

Connections for basic system

These connections are for editing model AG-DS555 and playback model AG-DS545 using one S-VHS VTR.

- Set the CONTROL switch to LOCAL.
- Set the "SYNC" (item No. 1001) dial menu function to "NORM".
- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO".
  (Set to LTC for editing with the LTC time code signal.)


Color video camera
(AG-DS555 only)
TV monitor
Stereo unit
(AG-DS555 only)
S-VIDEO
LINE
INPUT
REMOTE
LOCAL
CONTROL
Microphones
(AG-DS555 only)
(AG-DS555 only)

Dubbing connections

These connections are for editing using two S-VHS VTRs.
The ways to prevent deterioration in the picture quality caused by the dubbing connections are ranked as follows in terms of their effectiveness.

1. Use of S-VIDEO cable
2. Use of BNC cable

- Set the CONTROL switch to LOCAL.
- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO". (Set this to "TIME CODE" when dubbing LTC time code signals.)
- Set the "IMAGE MODE SELECT" (item No. 2001) dial menu function to "EDIT".

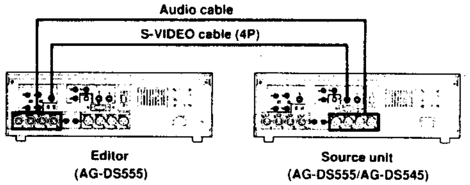
1. Connections using S-VIDEO cable (4P)

Main setting (source unit)

- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE" (item No. 2001) to "EDIT"

Main setting (editor)

- INPUT switch to "S-VIDEO"
- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE MODE SELECT" (item No. 2001) to "EDIT"


Audio cable
S-VIDEO cable (4P)
Editor
(AG-DS555)
Source unit
(AG-DS555/AG-DS545)

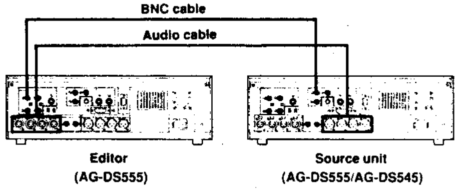
2. Connections using BNC cable.

Main setting (source unit)

- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE MODE SELECT" (item No. 2001) to "EDIT"

Main setting (editor)

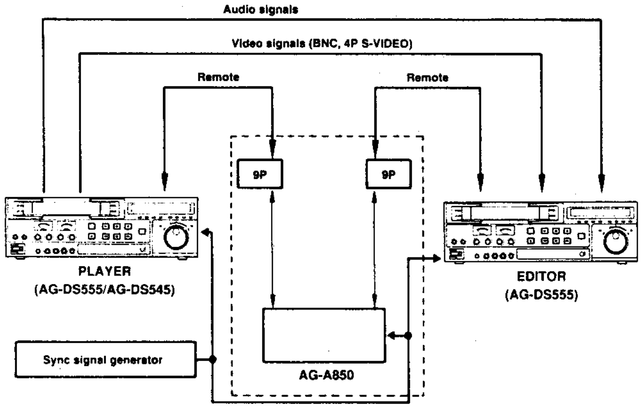
- INPUT switch to "LINE"
- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE MODE SELECT" (item No. 2001) to "EDIT"


BNC cable
Audio cable
Editor
(AG-DS555)
Source unit
(AG-DS555/AG-DS545)

System using 9P editing controller

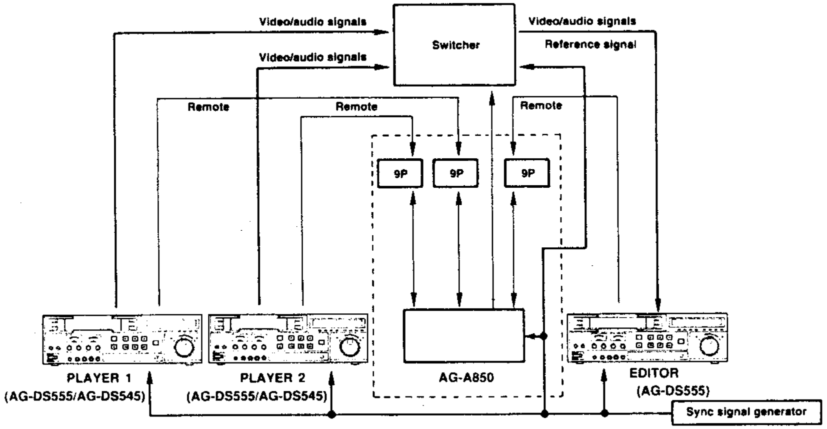
Editing with a high degree of accuracy and with almost no editing errors can be done by installing the AG-F700 (optional accessory) in this unit and using the 9P editing controller (optional accessory) to conduct time code editing. This unit contains its own time base corrector (TBC) and so alleviates the need for time-consuming TBC wiring during system editing.

System composed of one editor and one player


Audio signals
Video signals (BNC, 4P S-VIDEO)
Remote
Remote
9P
9P
PLAYER
(AG-DS555/AG-DS545)
EDITOR
(AG-DS555)
Sync signal generator
AG-A850

System composed of one editor and two players

(enabling AB roll editing)


Video/audio signals
Switcher
Video/audio signals
Reference signal
Video/audio signals
Remote
Remote
Remote
9P
9P
9P
PLAYER 1
(AG-DS555/AG-DS545)
PLAYER 2
(AG-DS555/AG-DS545)
AG-A850
EDITOR
(AG-DS555)
Sync signal generator

1. Connect the editing controller

- Connect it to REMOTE (9P) connector.
- Connect the audio signals.
- Connect the video signals.
- Connect the REF signals.

2. Set 9P DEVICE TYPE SELECT (item No. 5002).

Use the dial menu function to set this.

OTHER TYPES (set-up No. 00):	When using a controller not made by Panasonic
S-VHS ID (set-up No. 01):	When using a controller made by Panasonic

3. Set the CONTROL switch to REMOTE.

4. Operate the unit from the editing controller.

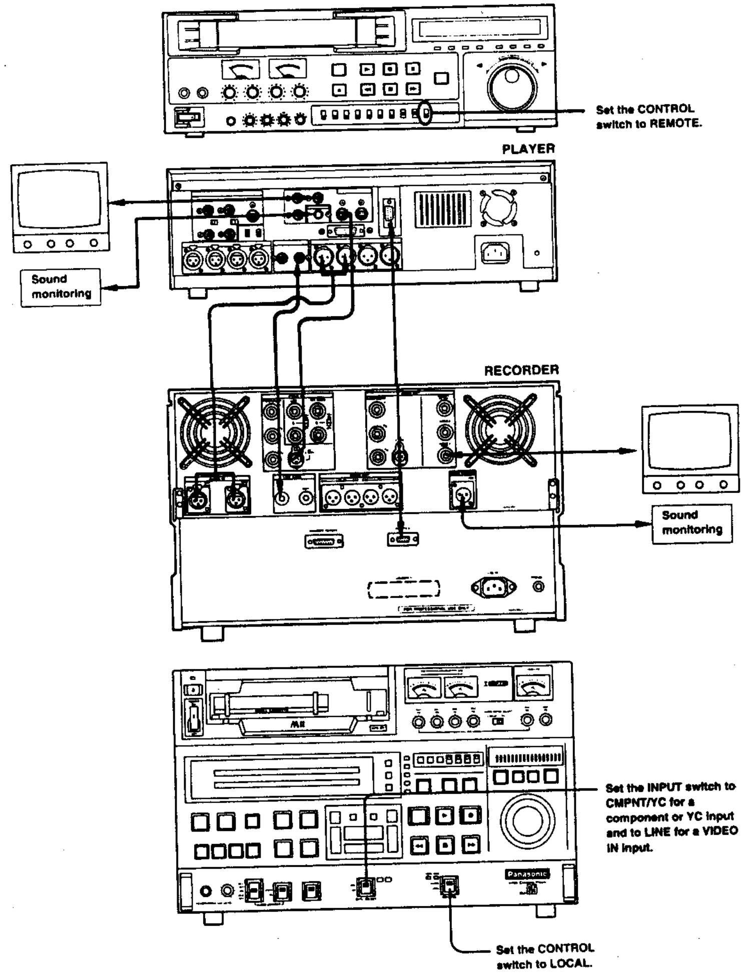
For details on how to operate the editing controller, reference should be made to the Instruction Manual accompanying the controller.

NOTES

- Set the editing timing for the 9P editing controller to 8 frames.
- When using an editing controller provided with a color framing function, do not set the color framing mode.
- Although, for insert editing using the 9P editing system, it is possible to set the editing channels independently for the time code signals and audio signals, this particular unit uses linear track CH2 for both the time code (LTC) and normal audio CH2. For this reason, the "AUDIO CH2" dial menu function (item No. 3006) must be set properly in accordance with the signals which are to be edited.
- For time code editing, set the "TC INT/EXT SELECT" dial menu function (item No. 7001) to "INT". (AG-DS555 only)
- When the 9P editing system is used, the "9P FF/REW MODE" dial menu function (item No. 5003) can be used to select full loading FF/REW and unloading FF/REW.
- Set the dial menu function (item No. 1003) "TAPE PROTECTION" to "AUTO ADVANCE" only when editing lengthy scenes during AB roll editing.

System using MII unit

This unit comes with an RS-422A interface facility which enables it to be connected with a professional/industrial MII VTR.


Set the CONTROL switch to REMOTE.
PLAYER
Sound monitoring
RECORDER
Sound monitoring
MII
Panasonic
Set the INPUT switch to CMPNT/YC for a component or YC input and to LINE for a VIDEO IN input.
Set the CONTROL switch to LOCAL.

The above system employs the model AU-65 MII VTR designed for commercial applications.

Error displays

When an error appears on the counter display, it means that a malfunction has occurred in the unit. When this happens, terminate operation without delay and remedy the trouble by following the instructions in the Instruction Manual.

Error display	Problem	Remedy
d	Condensation	Leave power on and wait until error display is cleared (see MEMO below).
E-0*	Malfunction in fan motor section	Turn off the power and switch it back on again, and check that the unit operates normally.
E-2	Malfunction in elevator section	This occurs when the cassette has not been inserted properly. Turn off the power and switch it back on again, and check that the unit operates normally.
E-3	Malfunction in loading section	
E-4	Malfunction in cylinder section	This occurs when a heavy load is applied because condensation has formed on the tape or for some other reason. Turn off the power and switch it back on again, and check that the unit operates normally.
E-5	Malfunction in reel section	
E-6	Malfunction in tension section	
E-7	Malfunction in solenoid section	Turn off the power and switch it back on again, and check that the unit operates normally.

- Contact your authorized dealer if the unit does not function normally when the above remedial action has been taken.

***Fan motor error display**

WARNING
(FAN MOTOR LOCK)

When trouble occurs in the fan motor area, the warning display shown on the left is output to the monitor screen alternately with the regular counter display. Since the unit's power will be automatically turned off about 20 minutes after this warning is output, complete the work speedily and turn off the power. The power can be switched back on in about 20 minutes' time.

……

MEMO

Condensation

This phenomenon is caused by the same principle under which droplets of moisture (condensation) form on a window in a heated room when it is cold outside. It can occur when the unit or a tape is moved to a location with a significantly different temperature or humidity. It also occurs:

- When the unit or tape is moved to a location full of steam which cannot escape or a location with a high humidity, or immediately after movement to a heated room
- When the unit or tape is moved quickly from a cold or cooled location to a high-temperature and/or high-humidity location

SHOULD A MALFUNCTION OCCUR, TURN OFF THE POWER IMMEDIATELY, TAKE HOLD OF THE POWER PLUG AND DISCONNECT IT FROM THE POWER SOCKET AND CONTACT YOUR DEALER. CONTINUED USE MAY CAUSE FURTHER DETERIORATION OR LEAD TO AN ACCIDENT.

Servo reference

This unit automatically selects the input video signal selected by the INPUT switch, the REF VIDEO signal supplied from the REF IN connector or the internal sync signal (INT) as the servo reference signal.]
The relationship between the "SYNC" dial menu function (item No. 1001) and servo reference signal during normal playback and recording is as described below.

■ During playback

SYNC SELECT switch position	Input signal mode		Reference signal
	VIDEO IN signal (AG-DS555 only)	REF IN signal	
NORM	○	○	REF IN signal
	○	×	INT sync signal
	×	○	REF IN signal
	×	×	INT sync signal
EXT	○	○	REF IN signal
	○	×	INT sync signal
	×	○	REF IN signal
	×	×	INT sync signal

■ During editing or recording

SYNC SELECT switch position	Input signal mode		Reference signal
	VIDEO IN signal (AG-DS555 only)	REF IN signal	
NORM	○	○	VIDEO IN signal
	○	×	VIDEO IN signal
	×	○	REF IN signal
	×	×	INT sync signal
EXT	○	○	REF IN signal
	○	×	INT sync signal
	×	○	REF IN signal
	×	×	INT sync signal

"O": signal is supplied; "X": signal is not supplied.

Connector signals

REMOTE 9P connector

Pin no.	Description of signal
1	GND
2	TRANSMIT A
3	RECEIVE B
4	RECEIVE COMMON
5	SPARE
6	TRANSMIT COMMON
7	TRANSMIT B
8	RECEIVE A
9	GND

S-VIDEO IN/OUT connectors (4P)[1)]

Pin no.	Description of signal
1	Y GND
2	C GND
3	Y signal
4	C signal

TBC REMOTE connector (15P)

Pin no.	Description of signal
1	————
2	SET UP
3	C LEVEL
4	GND
5	+ 12 V
6	SYSTEM HΦ
7	SYS. SC COARSE (2)
8	– 12 V
9	HUE
10	VIDEO LEVEL
11	RET GND
12	————
13	————
14	SYS. SC FINE
15	SYS. SC COARSE (1)

AUDIO IN/OUT connectors (XLR)[1)]

Pin no.	Description of signal
1	GND
2	HOT
3	COLD

1) Input connectors are only for model AG-DS555.

REMOTE 34P connector (option)

Pin no.	Description of signal
1	REC SWITCH*1 *3
2	PLAY SWITCH*1
3	FF SWITCH*1
4	REW SWITCH*1
5	STOP SWITCH*1
6	————
7	PAUSE SWITCH*1
8	CASSETTE IN SWITCH*2
9	CUT IN SWITCH*1
10	————
11	SERVO LOCK*2
12	GND
13	SWITCH STEP*1
14	REVERSE COUNT*2
15	CUT OUT SWITCH*1 *3
16	EDIT SWITCH*1 *3
17	REVERSE IN*2
18	CONTROL PULSE OUT
19	REMOTE 19*1
20	START MARK
21	EJECT SWITCH*1
22	INSERT CH1*1 *3
23	REC HOLD*2 *3
24	PLAY HOLD*2
25	FF HOLD*2
26	REW HOLD*2
27	INSERT CH2*1 *3
28	————
29	PAUSE HOLD*2
30	REMOTE 30*1
31	CUT IN HOLD*2
32	INSERT VIDEO*1 *3
33	REMOTE 33*1
34	+ 12 V

*1 Active low (INPUT)
*2 Open collector, active low (OUTPUT)
*3 For AG-DS555 only

Accessories

Standard accessory

Check that the standard accessory below are packed with the unit.

Power cord	Model No. VJA0488

Optional accessories

S-VIDEO cable (4P)	Model No. AG-C71 (5m) Model No. VW-CV2 (2m) Model No. VW-CV1 (1.5m)
Editing controller	Model AG-A850 Model No. AG-A350
Remote controller	Model No. AG-A600
Rack-mounting adaptor	Model No. AG-M730
34-pin Remote Connector	Model No. AG-IA834

Cassette tapes

This unit is designed as a product which is required to demonstrate a high degree of reliability in such applications as editing and transmission. As such, use of the Panasonic video tapes listed below is recommended so that the unit's recording reliability will be maintained.

S-VHS video tapes	Model No. NV-ST120 (2 hrs) Model No. NV-ST60 (1 hr) Model No. NV-ST30 (30 min.)

VHS video tapes

Video tape model No.		REC/PB time
Standard tape	Super HG Hi-Fi	Standard mode
NV-T160	————	2 hrs 40 min.
NV-T120	NV-T120HF	2 hrs
NV-T90	————	1 hrs 30 min.
NV-T60	NV-T60HF	1 hrs
NV-T40	————	40 min.
NV-T30	————	30 min.
NV-T20	————	20 min.

SECTION 2

DISASSEMBLY PROCEDURES

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- 2-2-7. Removal of the XLR F C.B.A. and XLR M C.B.A. 2-4
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- 2-2-13. Removal of the Head Amp C.B.A. 2-6
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2-4. DIMENSIONS 2-10

2-5. EXTENDERS 2-11

2-6. CIRCUIT BOARD LAYOUT 2-12

2-1. DISASSEMBLY FLOW CHART

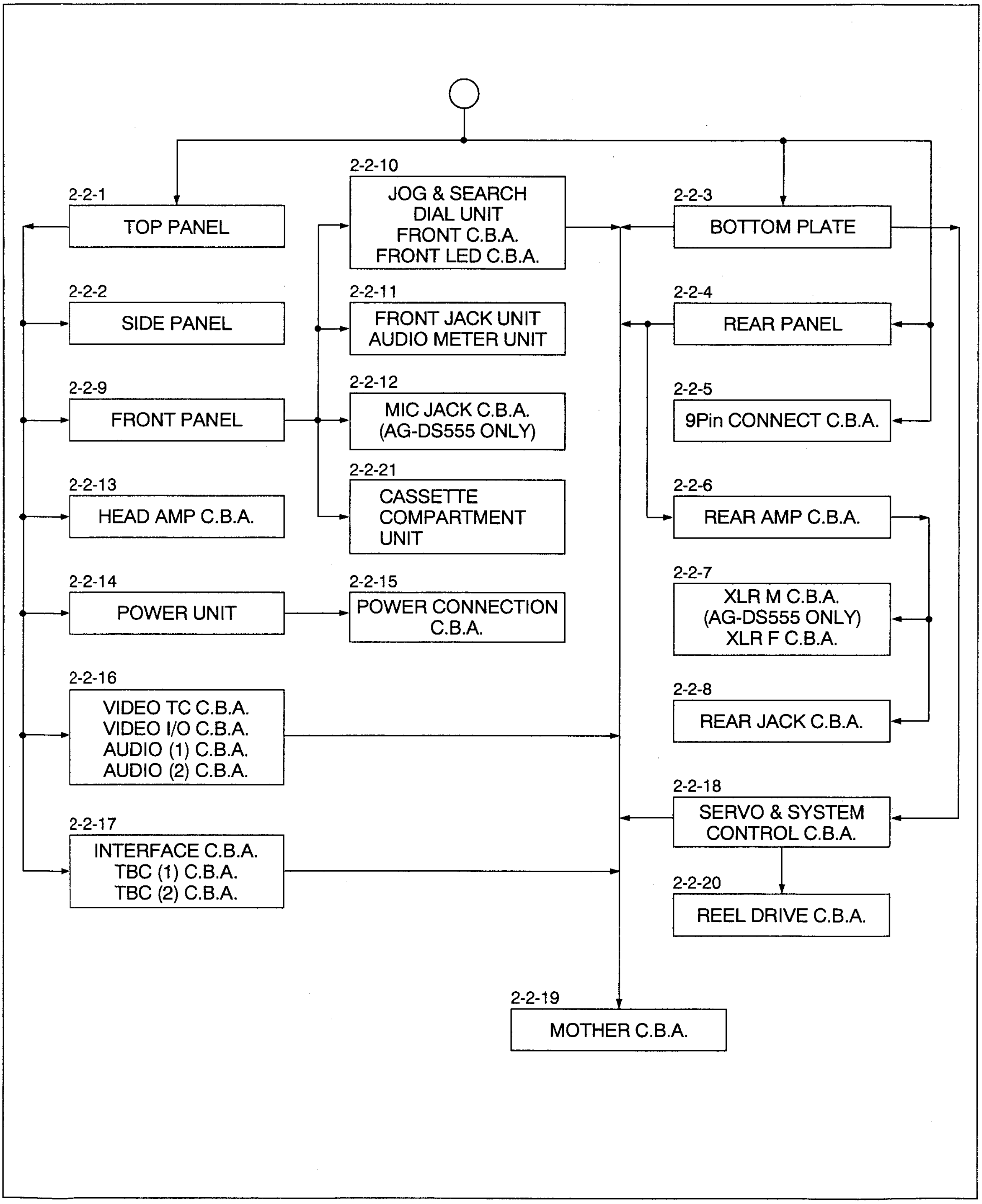

2-2-1
TOP PANEL
2-2-2
SIDE PANEL
2-2-9
FRONT PANEL
2-2-13
HEAD AMP C.B.A.
2-2-14
POWER UNIT
2-2-16
VIDEO TC C.B.A.
VIDEO I/O C.B.A.
AUDIO (1) C.B.A.
AUDIO (2) C.B.A.
2-2-17
INTERFACE C.B.A.
TBC (1) C.B.A.
TBC (2) C.B.A.
2-2-10
JOG & SEARCH
DIAL UNIT
FRONT C.B.A.
FRONT LED C.B.A.
2-2-11
FRONT JACK UNIT
AUDIO METER UNIT
2-2-12
MIC JACK C.B.A.
(AG-DS555 ONLY)
2-2-21
CASSETTE
COMPARTMENT
UNIT
2-2-15
POWER CONNECTION
C.B.A.
2-2-3
BOTTOM PLATE
2-2-4
REAR PANEL
2-2-5
9Pin CONNECT C.B.A.
2-2-6
REAR AMP C.B.A.
2-2-7
XLR M C.B.A.
(AG-DS555 ONLY)
XLR F C.B.A.
2-2-8
REAR JACK C.B.A.
2-2-18
SERVO & SYSTEM
CONTROL C.B.A.
2-2-20
REEL DRIVE C.B.A.
2-2-19
MOTHER C.B.A.

Fig. D1

2-2. DETAILED DISASSEMBLY METHOD

2-2-1. Removal of the Top Panel

1. Jnscrew the 2 Screws (A) on the Top Panel. (Fig. D2)
2. Carefully lift up the rear of the case, and slide it off he back unit.

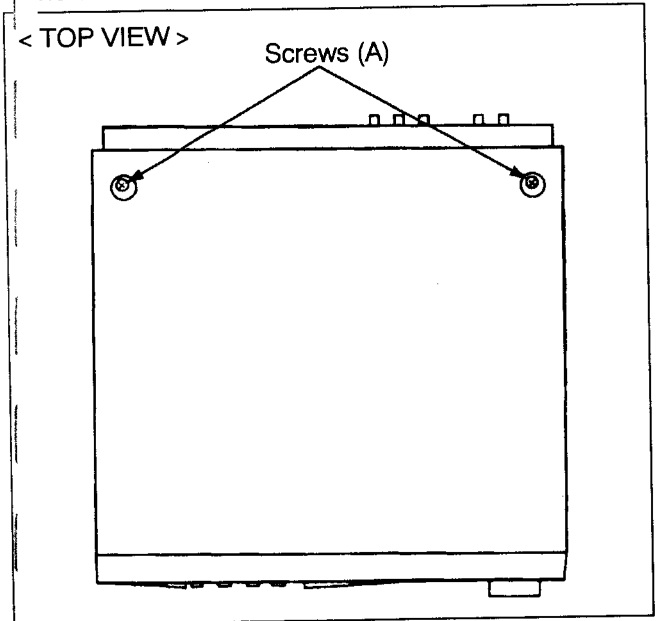

< TOP VIEW >
Screws (A)

Fig. D2

·2-2. Removal of the Side Panels

1. Unscrew the 8 Screws (B) on the Side Panels. (Fig. D3)

Remove the Side Panels.

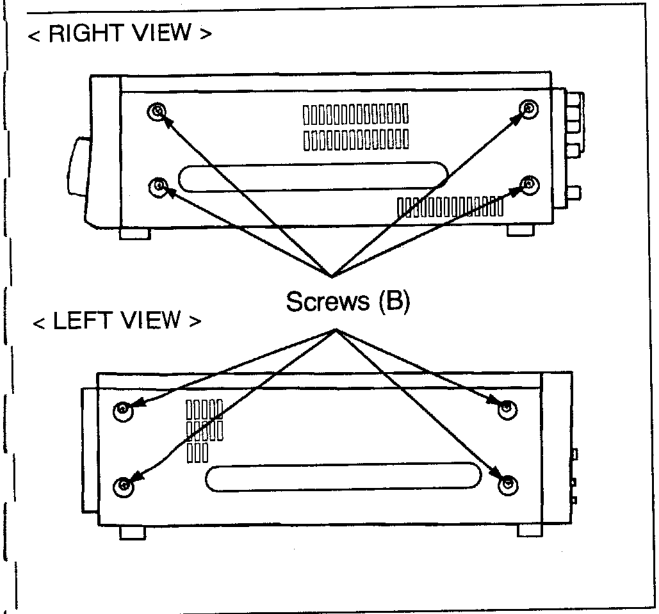

< RIGHT VIEW >
Screws (B)
< LEFT VIEW >

Fig. D3

2-2-3. Removal of the Bottom Plate

1. Unscrew the 10 Screws (C-1) and 3 Screws (C-2). (Fig. D4)
2. Remove the Bottom Plate.

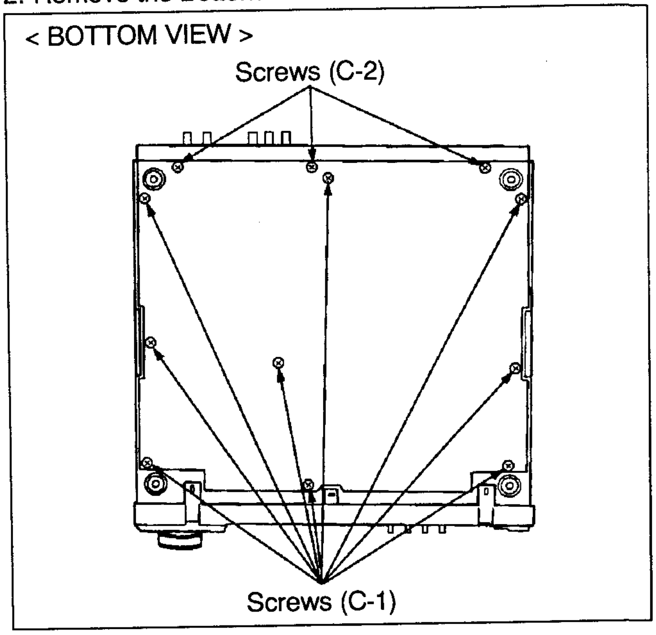

< BOTTOM VIEW >
Screws (C-2)
Screws (C-1)

Fig. D4

2-2-4. Removal of the Rear Panel

1. Unscrew a Screw (D-1), 6 Screws (D-2) and the a Screw (D-2). (Fig. D5)
2. Unscrew a Screw (D-4. (Fig. D6)
3. Disconnect the 3 Connectors (P61002,P61009 and P61010). (Fig. D6)
4. Carefully remove the Rear Panel from the unit, with take care for the 4 Connectors on the Mother C.B.A..

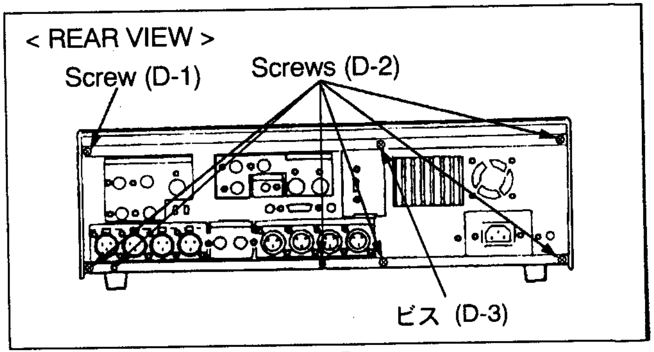

< REAR VIEW >
Screw (D-1)
Screws (D-2)
ビス (D-3)

Fig. D5

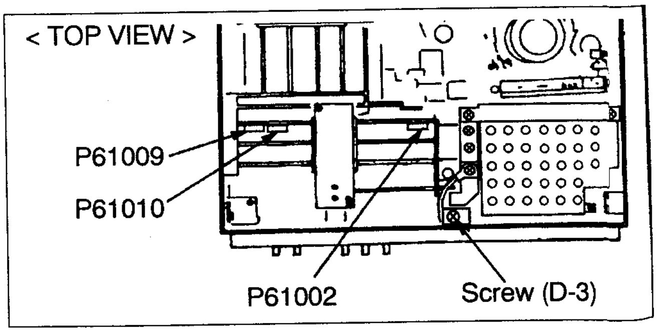

< TOP VIEW >
P61009
P61010
P61002
Screw (D-3)

Fig. D6

2-2-5. Removal of the 9 Pin Connect C.B.A.

1. Unscrew a Screw (E) on the 9 Pin Connect C.B.A.. (Fig. D7)

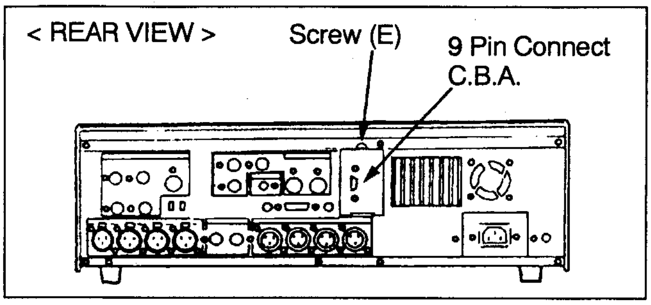

< REAR VIEW >
Screw (E)
9 Pin Connect C.B.A.

Fig. D7

2-2-6. Removal of the Rear Amp C.B.A.

1. Unscrew the 2 Screws (F) and unlock the 3 Locking Tabs (a) on ther Rear Amp C.B.A. (Fig. D8)
2. Lift the Rear Amp C.B.A. and then disconnect the 3 Flexible Cables (P6601,P6605 and P6608) and the 2 Connectors (P4007 and P6607). (Fig. D9)

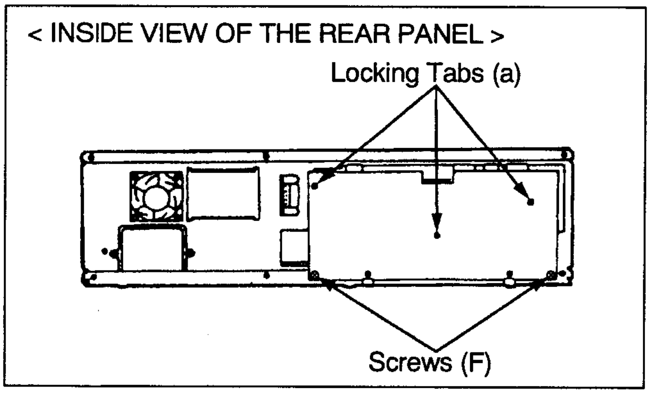

< INSIDE VIEW OF THE REAR PANEL >
Locking Tabs (a)
Screws (F)

Fig. D8

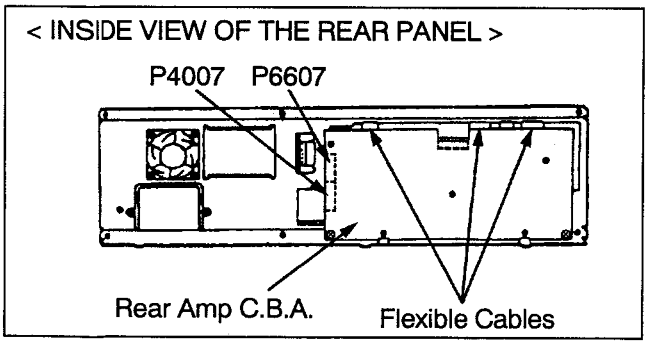

< INSIDE VIEW OF THE REAR PANEL >
P4007
P6607
Rear Amp C.B.A.
Flexible Cables

Fig. D9

2-2-7. Rmoval of the XLR F C.B.A. and XLR M C.B.A.

1. Unscrew the 8 Screws (G-1) and remove the XLR M C.B.A.(AG-DS555ONLY). (Fig. D10 and D11)
2. Unscrew the 8 Screws (G-2) and remove the XLR F C.B.A.. (Fig. D10 and D11)

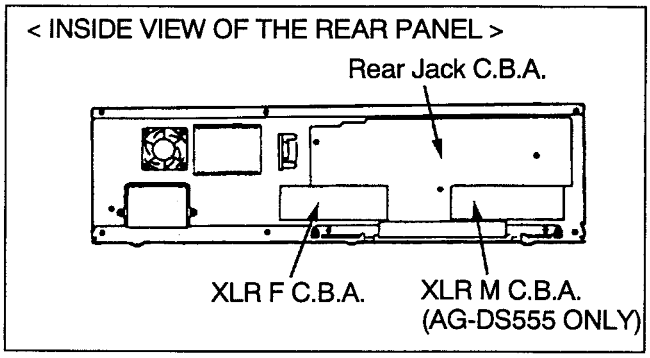

< INSIDE VIEW OF THE REAR PANEL >
Rear Jack C.B.A.
XLR F C.B.A.
XLR M C.B.A.
(AG-DS555 ONLY)

Fig. D10

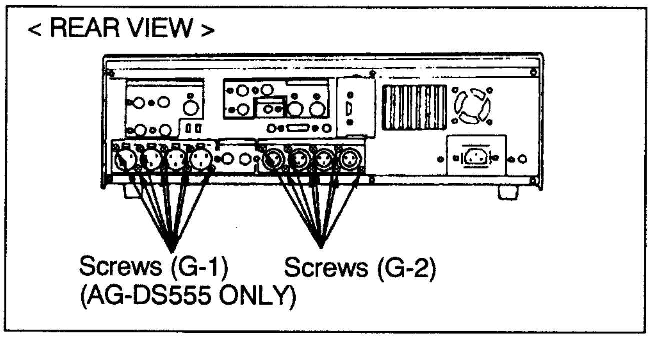

< REAR VIEW >
Screws (G-1)
(AG-DS555 ONLY)
Screws (G-2)

Fig. D11

2-2-8. Removal of the Rear Jack C.B.A.

1. Unscrew the (AG-DS555: 11, AG-DS545: 8) Screws (H-1) and (AG-DS555: 4, AG-DS545: 3) Screws (H-2). (Fig. D12)
2. Remove the Rear Jack C.B.A..

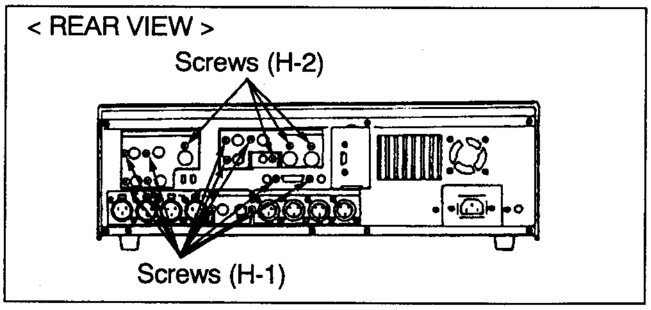

< REAR VIEW >
Screws (H-2)
Screws (H-1)

Fig. D12

2-2-9. Removal of the Front Panel

1. Pull out the (AG-DS555: 4, AG-DS545: 3) Knobs (b) on the Front Panel. (Fig. D13)
2. Pull out the Jog & Search Dial Knob (c) on the Front Panel. (Fig. D13)
3. Unscew the 3 Screws (I) on the top of the Front Panel and a Screw (J) on the bottom of the Front Panel. (Fig. D14 and D15)
4. Unlock the 3 Locking Tabs (d) on the top of the Front Panel and the 2 Locking Tabs (e) on the bottom of the Front Panel and then remove it. (Fig. D14 and D15)

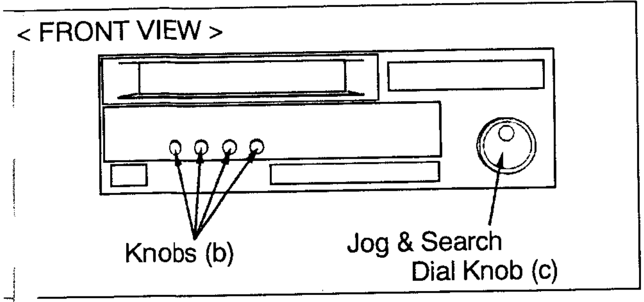

< FRONT VIEW >
Knobs (b)
Jog & Search
Dial Knob (c)

Fig. D13

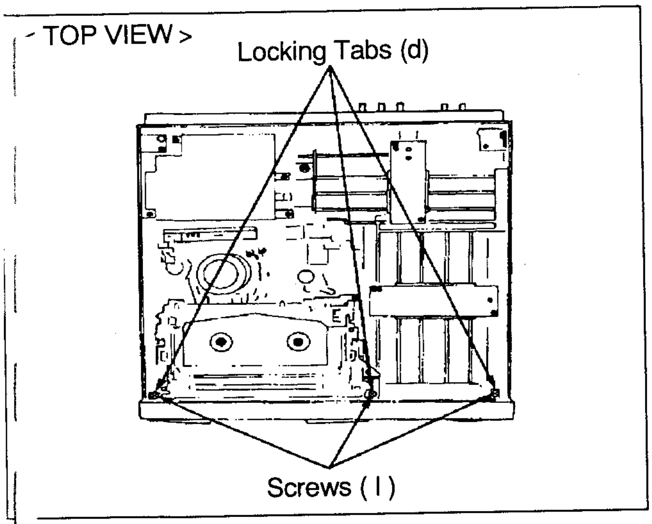

< TOP VIEW >
Locking Tabs (d)
Screws (I)

Fig. D14

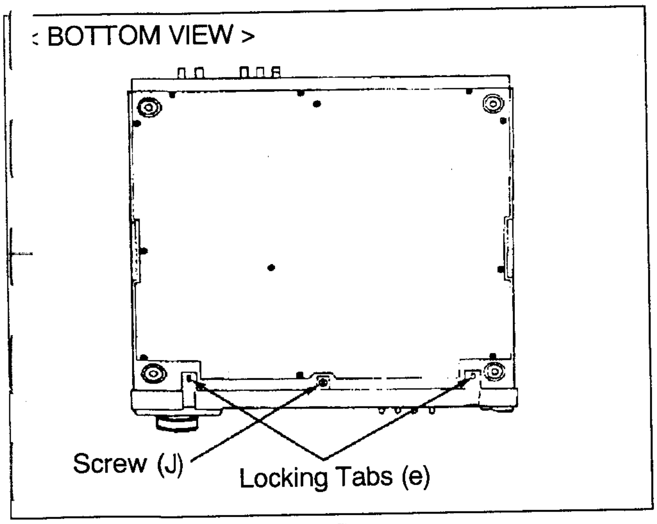

< BOTTOM VIEW >
Screw (J)
Locking Tabs (e)

Fig. D15

2-2-10. Removal of the Front C.B.A. and Front LED C.B.A.

1. Unscrew the 4 Screws (K) on the Jog & Search Dial Unit and pull out a Connector (P62005). (Fig. D16)

Remove the Jog & Search Dial Unit.

Unscrew the 2 Screws (L) and pull out a Flexible Cable (P62501). (Fig. D17)

4. Remove the Front LED C.B.A..

Unscrew a Screw (M) and unlock the 5 Locking Tabs (f) on the Front C.B.A.. (Fig. D18)

6. Carefully pull the Front C.B.A. off the unit (with taking care for the connection to the Mother C.B.A.) and then disconnect the 2 Connectors (P62007 & P62008). (Fig. D18)

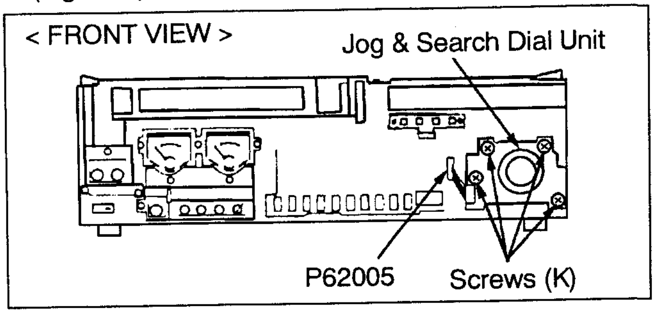

< FRONT VIEW >
Jog & Search Dial Unit
P62005
Screws (K)

Fig. D16

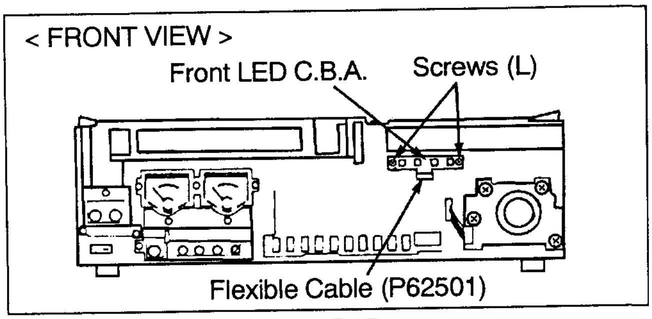

< FRONT VIEW >
Front LED C.B.A.
Screws (L)
Flexible Cable (P62501)

Fig. D17

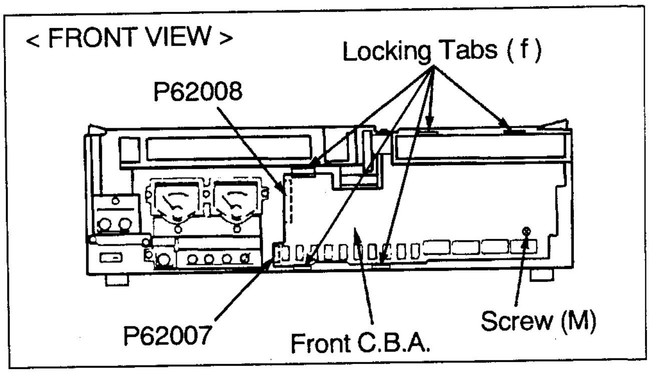

< FRONT VIEW >
Locking Tabs (f)
P62008
P62007
Front C.B.A.
Screw (M)

Fig. D18

2-2-11. Removal of the Front Jack Unit and Audio Meter Unit

1. Unscrew the 2 Screws (N-1) , and the 2 Screws (N-3) on the Front Jack Unit. (Fig. D19)
2. Remove the Front Jack Unit.
3. Unscrew the 4 Screws (N-2) on the Audio Meter Unit.
4. Disconnect a connector (P4901).
5. Remove the Audio Meter Unit.

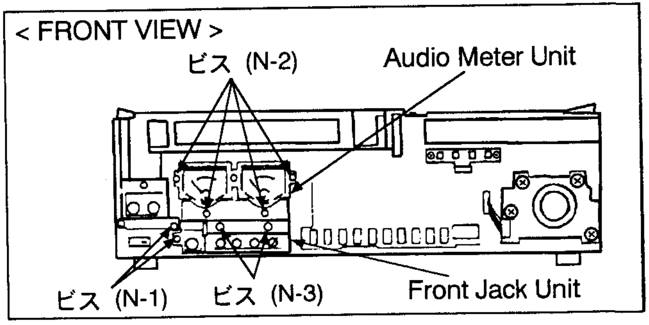

< FRONT VIEW >
ビス (N-2)
Audio Meter Unit
ビス (N-1)
ビス (N-3)
Front Jack Unit

Fig. D19

2-2-12. Removal of the MIC Jack C.B.A. (AG-DS555 ONLY)

1. Unscrew the 2 Screws (O) on the MIC Jack C.B.A.. (Fig. D20)
2. Lift the MIC Jack C.B.A..

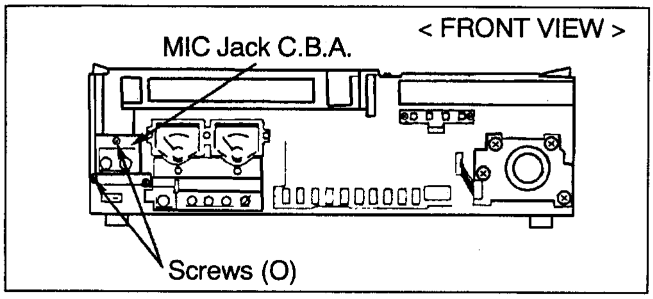

< FRONT VIEW >
MIC Jack C.B.A.
Screws (O)

Fig. D20

2-2-13. Removal of the Head Amp C.B.A.

1. Unscrw the 2 Screws (P) on the Head Amp C.B.A.. (Fig. D21)
2. Carefully pull out the Head Amp C.B.A..

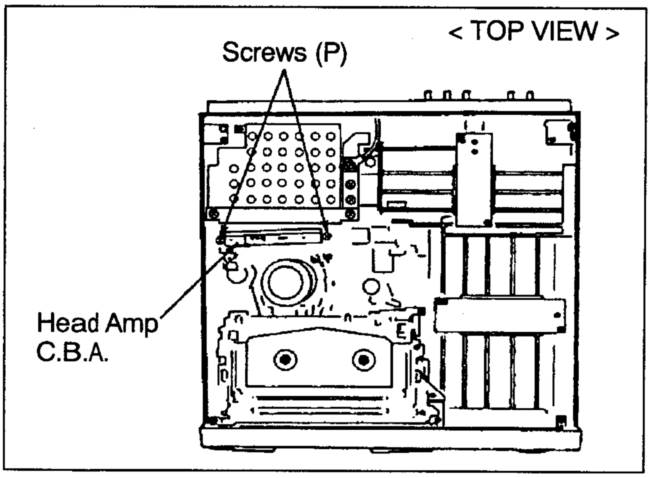
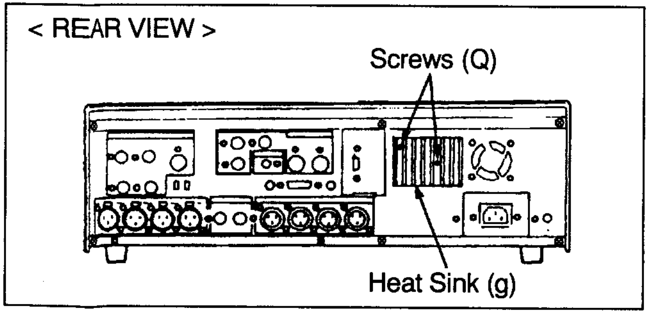

< TOP VIEW >
Screws (P)
Head Amp C.B.A.

Fig. D21

2-2-14. Removal of the Power Unit

1. Unscrew the 2 Screws (Q) on the Heat Sink (g), and remove the Heat Sink (g). (Fig. D22)
2. Unscrew the 4 Screws (R-1) and the 2 Screws (R-2) on the Power Unit. (Fig. D23)
3. Lift the Power Unit and then carefully pull out the 3 Connectors (P1001,P1002 and P1003). (Fig. D23)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Screws (Q)
Heat Sink (g)

Fig. D22

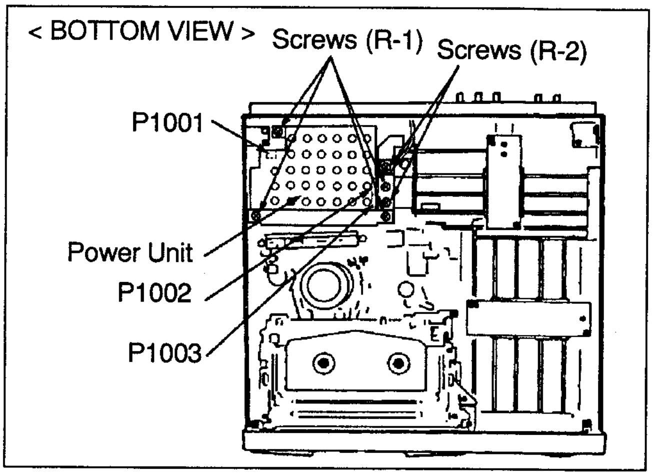

< BOTTOM VIEW >
Screws (R-1)
Screws (R-2)
P1001
Power Unit
P1002
P1003

Fig. D23

2-2-15. Removal of the Power Connection C.B.A.

1. Unscrew the 2 Screws (S) on the Rear Panel. (Fig. D24)
2. Unscrew the 4 Screws (T-1) on the Power Connection C.B.A. and a Screw (T-2) on the cabinet. (Fig. D25)
3. Carefully lift the Power Connection C.B.A. and then disconnect a Connector (P1101). (Fig. D25)

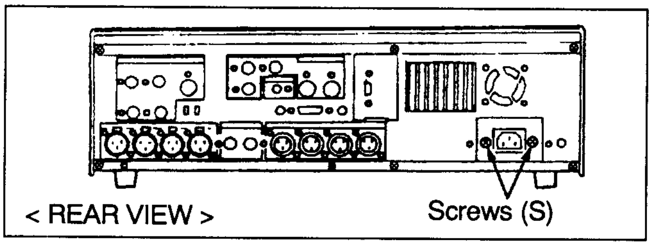

< REAR VIEW >
Screws (S)

Fig. D24

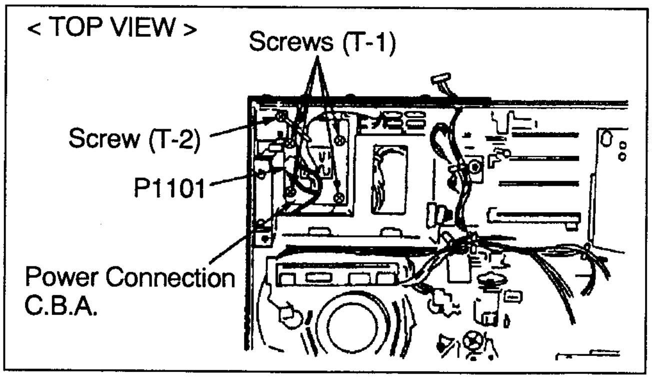

< TOP VIEW >
Screws (T-1)
Screw (T-2)
P1101
Power Connection C.B.A.

Fig. D25

2-2-16. Removal of the Video Digital, Video I/O,Audio (1) and Audio (2) C.B.A.s.

1. Unscrew the 2 Screws (U) and remove the Circuit Board Hold Piece (h). (Fig. D26)
2. Carefully pull out the Video Digital, Video I/O, Audio (1) and Audio (2) C.B.A. from the Mother C.B.A.. (Fig. D26)

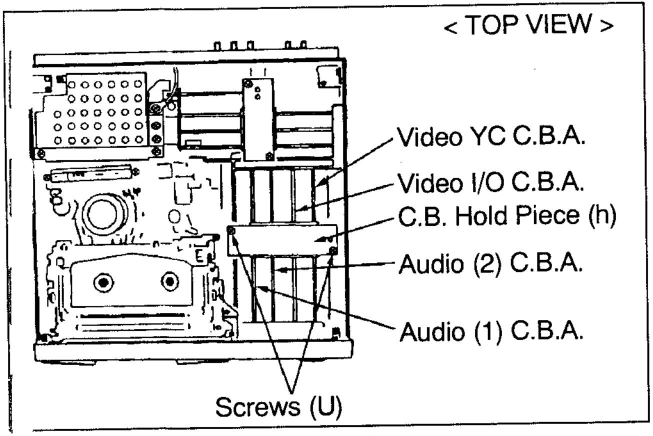

< TOP VIEW >
Video YC C.B.A.
Video I/O C.B.A.
C.B. Hold Piece (h)
Audio (2) C.B.A.
Audio (1) C.B.A.
Screws (U)

Fig. D26

2-17. Removal of the Interface, TBC (1) and TBC (2) C.B.A.s.

Unscrew the 2 Screws (V) and remove the Circuit Board Hold Piece (i). (Fig. D27)

2. Carefully pull out the Interface C.B.A., TBC (1) C.B.A. and the TBC (2) C.B.A. from the Mother C.B.A.. (Fig. D27)

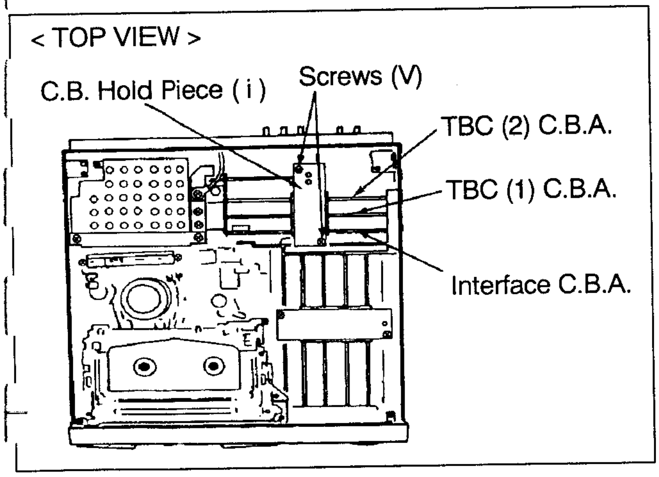

< TOP VIEW >
C.B. Hold Piece (i)
Screws (V)
TBC (2) C.B.A.
TBC (1) C.B.A.
Interface C.B.A.

Fig. D27

2-2-18. Removal of the Servo & System Control C.B.A.

1. Unscrew the 5 Screws (W) on the Servo & System Control C.B.A.. (Fig. D28)
2. Unlock a Locking Tab (j) on the Servo & System Control C.B.A.. (Fig. D28)
3. Open the Servo & System Control C.B.A. in the direction indicated by arrow. (Fig. D28)
4. Disconnect the All Connectors from the Servo & System Control C.B.A..
5. Carefully lift off the Servo & System Control C.B.A. from the unit in the direction indicated by arrow (with taking care for the connection to the Mother C.B.A.). (Fig. D29)

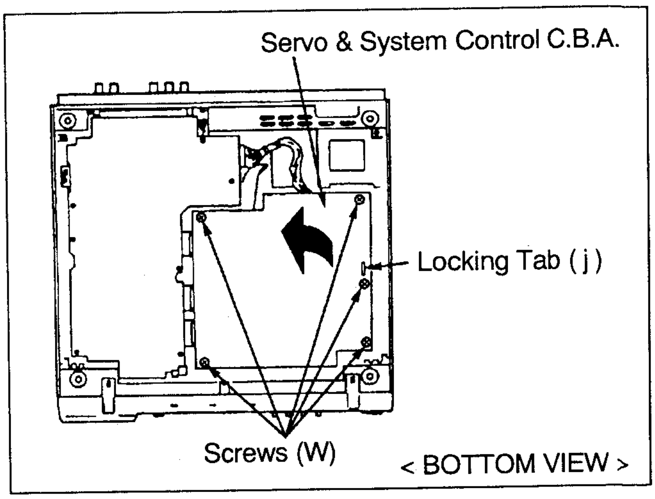

Servo & System Control C.B.A.
Locking Tab (j)
Screws (W)
< BOTTOM VIEW >

Fig. D28

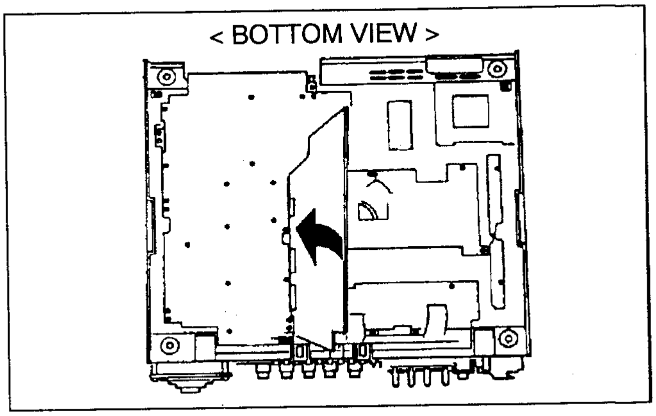

< BOTTOM VIEW >

Fig. D29

2-2-19. Removal of the Mother C.B.A.

∗ NOTE : Before removing the Mother C.B.A., be sure to finish the procedures of 2-2-1 to 2-2-18.

1. Unscrew the 8 Screws (X) on the Mother C.B.A. (Fig. D30)
2. Lift the Mother C.B.A. and then disconnect the 2 Connectors (P910 and P951). (Fig. D30)

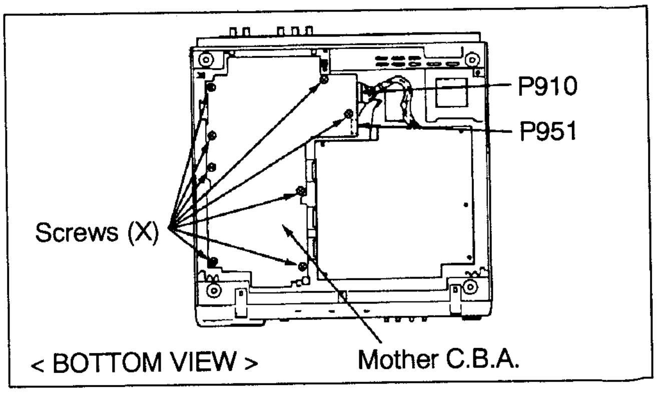

P910
P951
Screws (X)
< BOTTOM VIEW >
Mother C.B.A.

Fig. D30

2-2-20. Removal of the Reel Drive C.B.A.

1. Unlock the 2 Locking Tabs (k) on the Reel Drive C.B.A.. (Fig. D31)
2. Disconnect the 3 Flexible Cables (P2701, P2704 and P2705) and a Connector (P2702). (Fig. D31)
3. Carefully pull the Reel Drive C.B.A. in the direction indicated by arrow, with taking care for the connection to the Mechanism Unit (P2703). (Fig. D31)

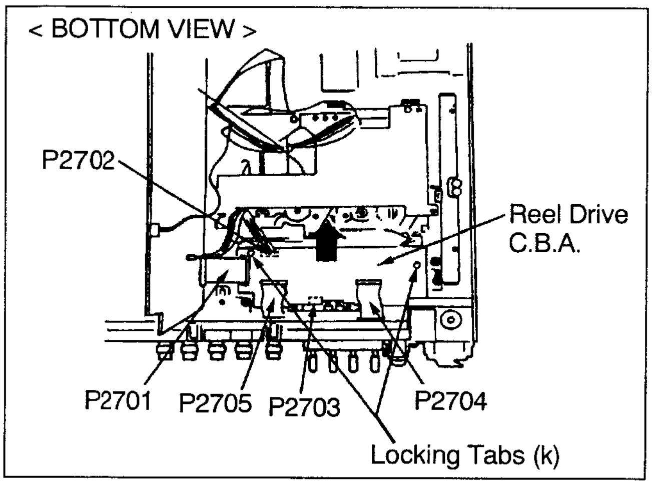

< BOTTOM VIEW >
P2702
Reel Drive C.B.A.
P2701
P2705
P2703
P2704
Locking Tabs (k)

Fig. D31

2-2-21. Removal of the Cassette Compartment

1. Unscrew the 2 Screws (Y-1) and a Screw (Y-2). (Fig. D32)
2. Disconnect 2 Flat Cables from the Connector (P1508) on the right side of the Cassette Compartment. (Fig. D32)
3. Remove the Top Plate.
4. Remove a Cassette Holder Unit. (Fig. D33)
5. Unscrew the 4 Screws (Z) and remove the Cassette Compartment Unit.(Fig. D34)

✱ NOTE : When install the Cassette Compartment Unit, refer to Mechanical Adjustment Procedures.

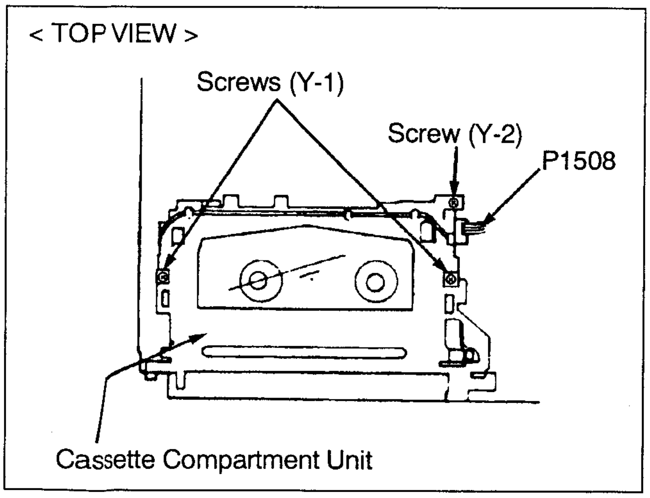

< TOP VIEW >
Screws (Y-1)
Screw (Y-2)
P1508
Cassette Compartment Unit

Fig. D32

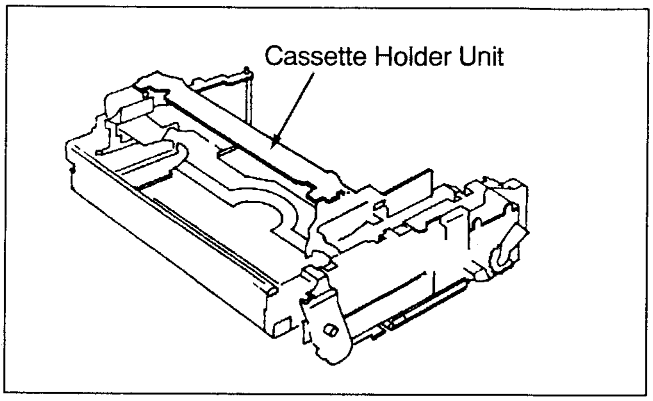
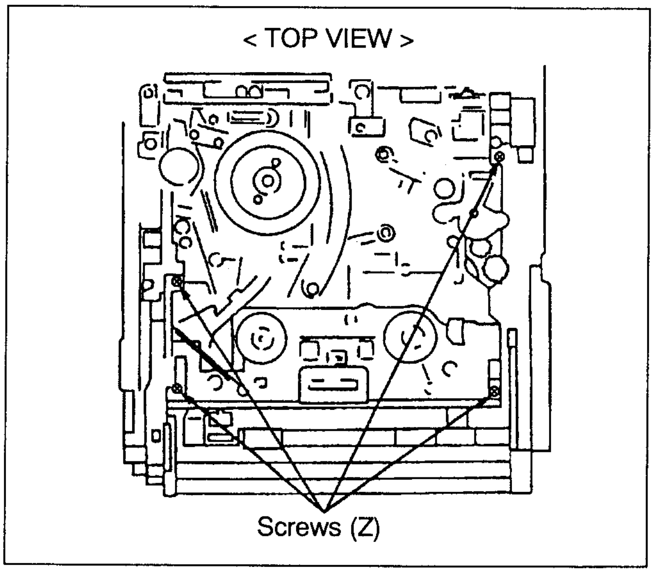

Cassette Holder Unit

Fig. D33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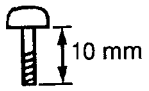
Screws (Z)

Fig. D34

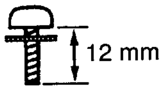
2-3. SCREWS

)



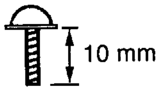
VHD0222
(SILVER)

(B)



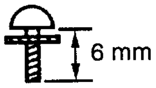
VHD0426
(SILVER)

(C-1)



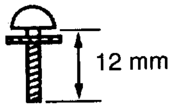
VHD0059
(GOLD)

(C-2)



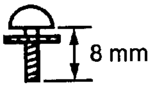
XYE3+EF6
(GOLD)

(D-1)



XYE3+EF12FZ
(BLACK)

-2), (D-3), (E)



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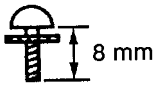
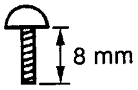
(D-4), (R-2)



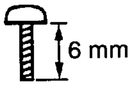
XYE3+EF8FR
(RED)

(F)



XTV3+8FFR
(RED)

(G-1), (G-2)



XYN26+6FE
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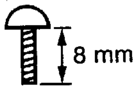
(H-1)



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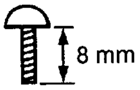
-2)



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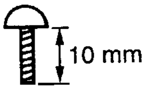
(I), (J), (N-1), (N-2),
(O), (R-1), (W), (X)



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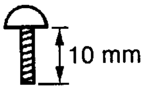
(RED)

(N-3)



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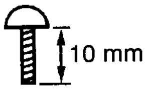
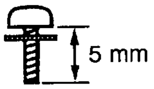
(RED)

(K), (M)



XTV4+10JFR
(RED)

(L)



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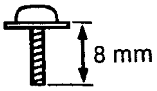
(P)



XTW3+8TR
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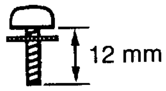
(Q)



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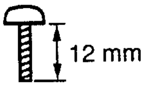
(S)



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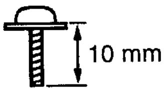
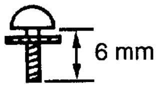
(T-1)



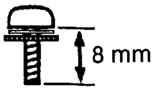
XTW3+10TER
(RED)

(T-2)



XYE4+EF6
(GOLD)

(U), (V)



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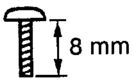
(RED)

(Y-1)



XTB26+8G
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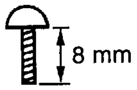
(Y-2)



XTV3+8G
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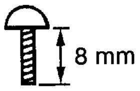
(Z)



XTV26+8FR
(RED)

SECTION 3

MECHANISM

CONTENTS

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The Mechanical Parts replacement Procedures and Mechanical Adjustment Procedures, please refer to the AG-DS850 Service Manual Vol 2. (Order No. VSD9404M245) .

3-1. MAINTENANCE PROCEDURES

3-1-1. REGULAR MAINTENANCE

The purpose of periodic maintenance is to preserve the functioning of this machine throughout its useful life. The user or service dealer should perform these maintenance regularly to ensure that maximum utility is obtained from the machine.

The VCR is a complicated place of equipment. It contains many belts, rollers, heads etc., which become worn, and deteriorate as time goes by, causing trouble. Dust and dirt will also impede the proper functioning of the machine. In light of this, it is very important that overall maintenance be done according to the maintenance chart to maintain the functions of the VCR, and to avoid accidental problems. This maintenance should also be performed after any repairs are done on the equipment.
The VCR used for business applications requires particular attention for several reasons. The installation conditions and applications are not always the best. Long use times, or poor environmental conditions may adversely affect the lifespan and performance of the machine. Regular maintenance assures that the purchaser obtains the maximum value for his expenditure. Accordingly, the necessity of regular maintenance should be fully explained at the time of sale, as well as during after-sale repairs.

3-1-2. MAINTENANCE CHART

The following periodic maintenance is required to prolong the life of the machine.

Ref. No. IN P/L	Parts Name	Hour									
		500	1000	1500	2000	2500	3000	3500	4000	4500	5000
	Tape Transporter	●	●	●	●	●	●	●	●	●	●
1-7	Loading Motor U								◎		
1-19	A/C Head U	●	●	●	●	●	●	●	◎	●	●
1-25	Pressure Roller U	●	●	●	◎	●	●	●	◎	●	●
1-36	Mode Switch								◎		
1-39	P5 Arm U								▲		
1-41	Upper Cylinder	●	◎	●	◎	●	◎	●	◎	●	◎
1-42	Lower Cylinder U	●	●	●	●	●	●	●	◎	●	●
1-45	Inclined (T) U								▲		◎
1-48	Inclined (S) U								▲		◎
1-56	FE Head	●	●	●	●	●	●	●	◎	●	●
1-66	Head Cleaning U		◎		◎		◎		◎		◎
2-1	Worm Shaft								▲		
2-2	Loading Belt				◎				◎		
2-3	Worm Wheel								▲		
2-8	Stator Base Unit								◎		
2-16	Main Brake (S)				◎				◎		
2-18	Main Brake (T)				◎				◎		
2-23	Takeup Reel Table U								◎		
2-24	Supply Reel Table U								◎		
2-28	Capstan Rotor U	●	●	●	△	●	●	●	△	●	●
2-33	Main Cam Gear								▲		
2-39	Loading Cam Gear								▲		

*NOTE :

Symbol	Maintenance	Requirement	Remark
●	Cleaning	Ethyl-alcohol or Cleaning Liquid (Purchase locally)	Wipe dirt from the parts using soft cloth impregnated with Ethyl-Alcohol. Note: When cleaning rubber parts, avoid using excessive alcohol since it may accelerate deterioration of these parts. After cleaning with alcohol, wipe the alcohol quickly and thoroughly.
◎	Replacement		
△	Lubrication	High Quality Spindle Oil (Purchase locally)	Supply one or two drops of oil.
▲	Greasing	Molytone Grease (MOR265)	Wipe the old grease and apply new grease.
×	Greasing	C.R.S. Grease (VFK0680)	Wipe the old grease and apply new grease.

3-2. PARTS LOCATION

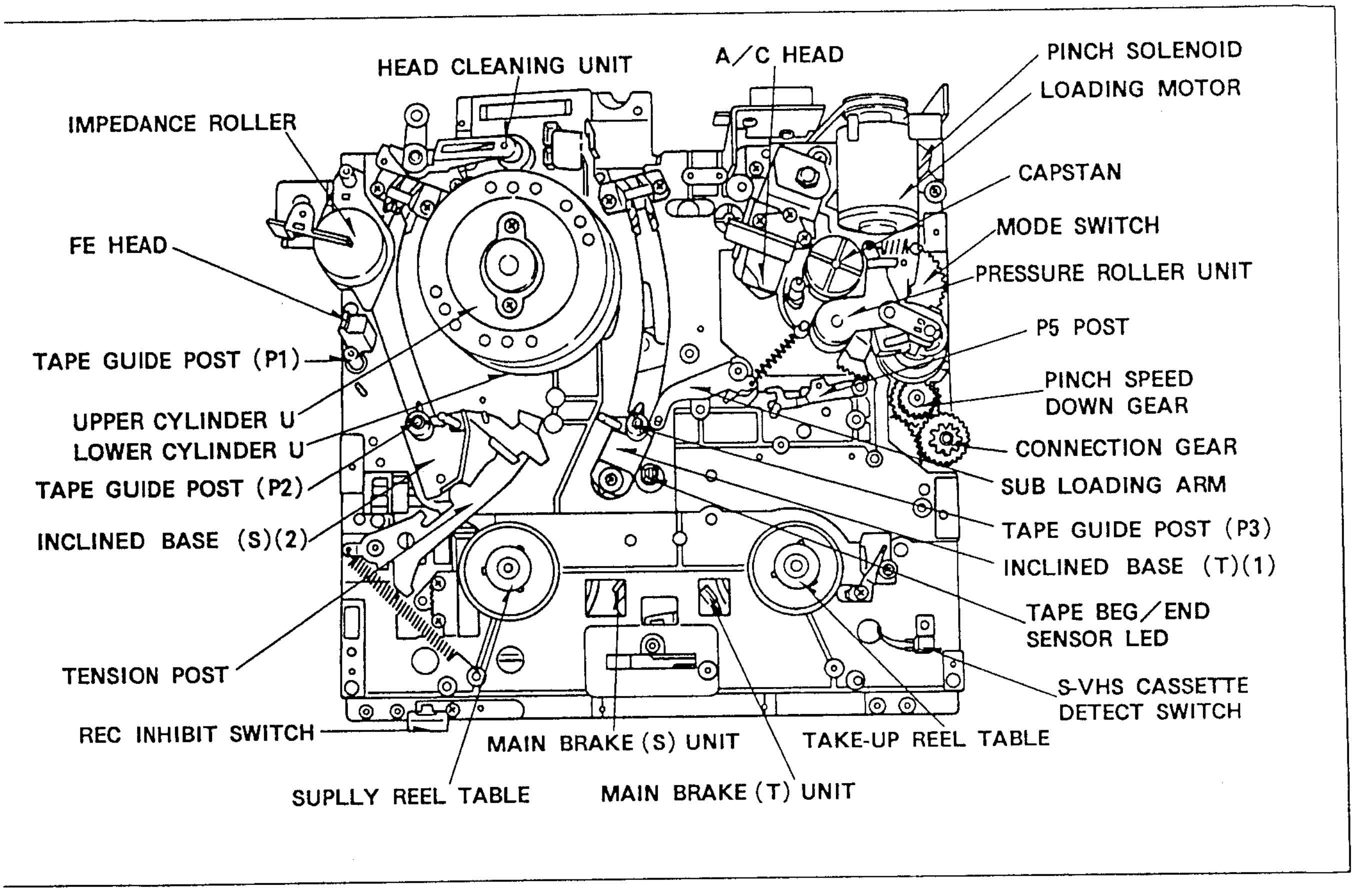

HEAD CLEANING UNIT
A/C HEAD
PINCH SOLENOID
LOADING MOTOR
IMPEDANCE ROLLER
CAPSTAN
FE HEAD
MODE SWITCH
PRESSURE ROLLER UNIT
P5 POST
TAPE GUIDE POST (P1)
PINCH SPEED DOWN GEAR
UPPER CYLINDER U
LOWER CYLINDER U
CONNECTION GEAR
TAPE GUIDE POST (P2)
SUB LOADING ARM
INCLINED BASE (S)(2)
TAPE GUIDE POST (P3)
INCLINED BASE (T)(1)
TAPE BEG/END SENSOR LED
TENSION POST
S-VHS CASSETTE DETECT SWITCH
REC INHIBIT SWITCH
MAIN BRAKE (S) UNIT
TAKE-UP REEL TABLE
SUPLLY REEL TABLE
MAIN BRAKE (T) UNIT

Figure M4

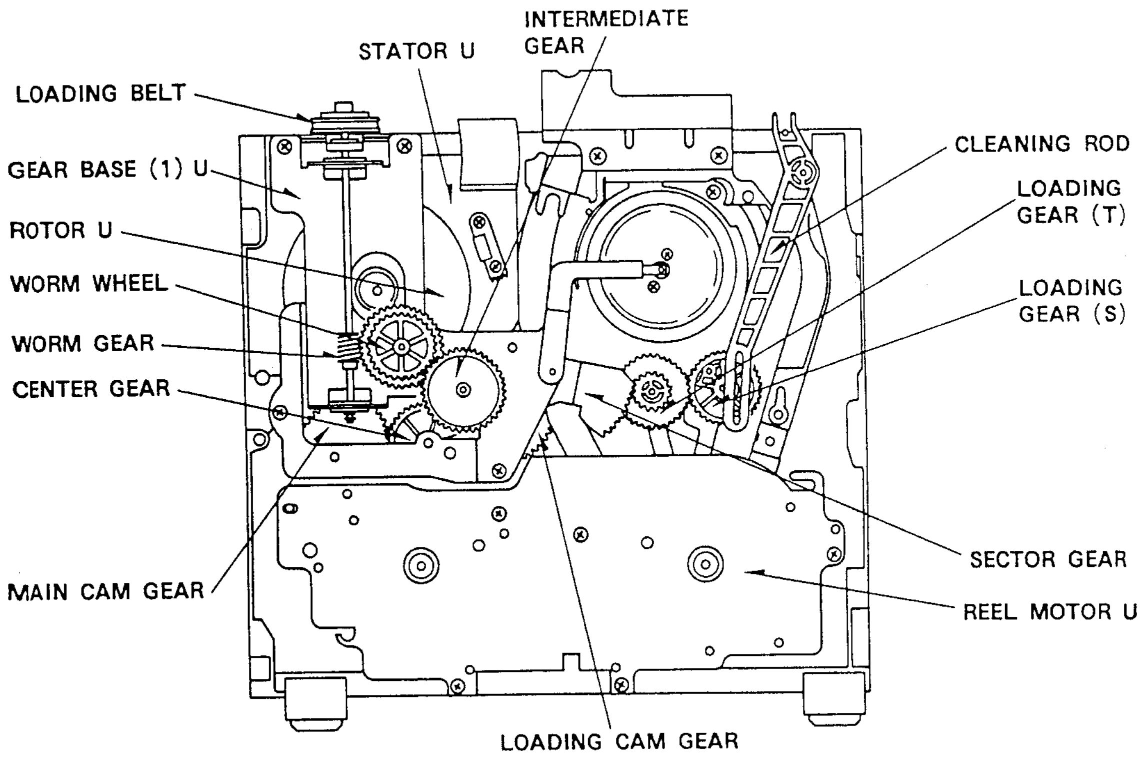
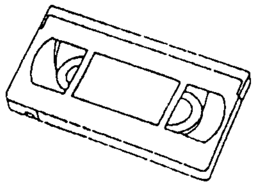
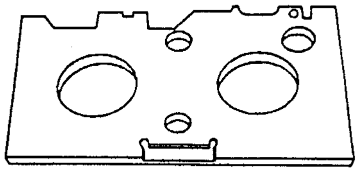
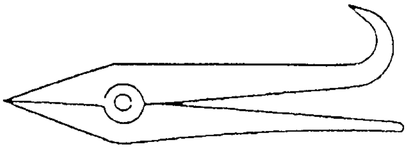
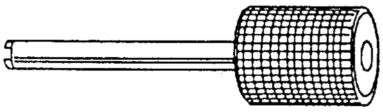
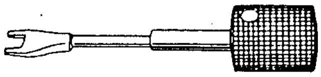
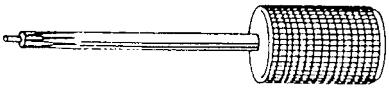
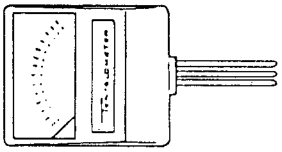
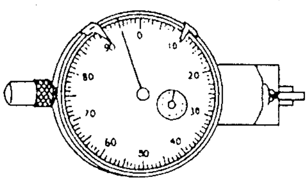
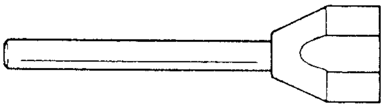
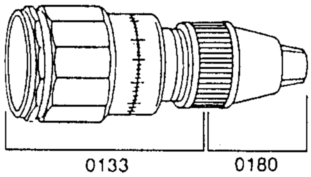
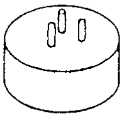
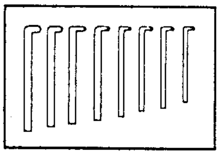
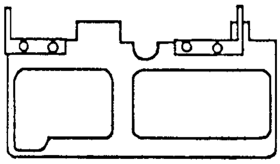
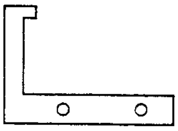
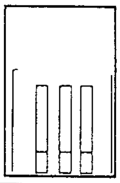
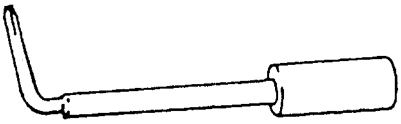
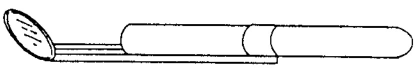
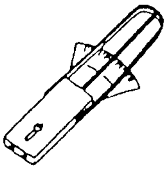
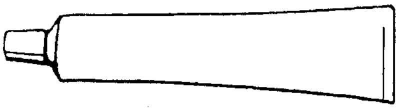
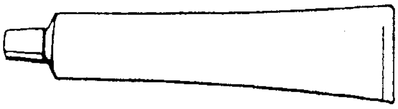

INTERMEDIATE GEAR
STATOR U
LOADING BELT
CLEANING ROD
GEAR BASE (1) U
LOADING GEAR (T)
ROTOR U
WORM WHEEL
LOADING GEAR (S)
WORM GEAR
CENTER GEAR
SECTOR GEAR
MAIN CAM GEAR
REEL MOTOR U
LOADING CAM GEAR

Figure M5

3-3. SERVICING FIXTURES AND TOOLS

The specified servicing fixture must be used to conduct adjustment.
The folloeing fixtures, tools and measuring equipments are required to conduct complete Mechanical Adjustments.

VFM8080HQFP ; VHS Alignment Tape 	VFK1012 ; Post Adjustment Plate 	VFK0335 ; Retaining Ring Remover 
VFK0329 ; Post Adj. Screwdriver 	VFK0328 ; H-Position Adj. Screwdriver 	VFK0330 ; Fine Adj. Screwdriver (3mm) 
VFK0132 ; Back Tension Meter (Tentelometer, Made in U.S.A) 	VFK0190 ; Reel Table Height Fixture 	VFK0950 ; Centering Fixture 
VFK0133 ; Dial Torque Gauge VFK0180 ; Plastic Clamper Only 	VFK0134 ; Adaptor for VFK0133 	VFK0326 ; Hex. Wrench Set (0.7, 0.9, 1.2, 1.5, 1.6, 2, 2.4, 3 mm) 
VFK0236 ; Tension Post Adj. Plate 	VFK0806 ; Tension Sensor Adj. Fixture 	VFK27 ; Head Cleaning Stick 
VFK0269 ; L Type Screwdriver 	VFK0948 ; Check Light 	VFK66 ; Fan Type Tension Gauge 
VFK0680 ; C.R.S. Grease (White) (for plastic part) 	MOR265 ; Morlytone Grease (Black) (for metal part) 	VFK0906 ; High Quality Oil (for Capstan and P5 Post) Cleaning Liquid (Alchol) (Tape Tronsport Rubber Parts etc.) << PURCHASE LOCALLY >>

3-3-1. LUBRICATION PROCEDURES OF THE CAPSTAN SHAFT

1. Remove the Pressure rollerUnit.
Remove the Thrust Screw.
Apply two drops of the oil (VFK0906) on the top of Capsutan Shaft as shown in Figure M1.

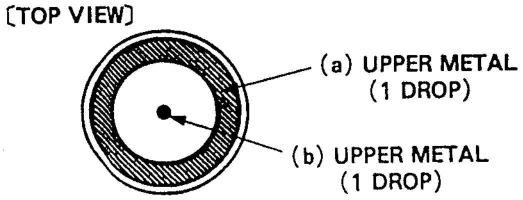

〔TOP VIEW〕
(a) UPPER METAL (1 DROP)
(b) UPPER METAL (1 DROP)

Figure M1

4. Turn the Thrust Adjustment Screw slowly to clockwise until the Capstan Rotor just starts turning (separate from the Capustan Stator).
5. Turn the Thrust Adjustment Sscrew another 180° clockwise as shown in Figure M2.
Install the Pressure Roller Unit.
Wipe the extra oil.

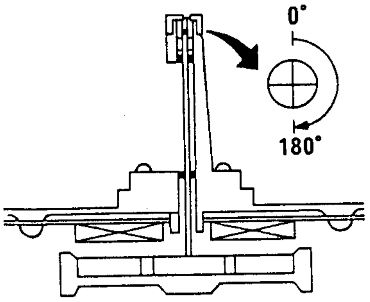


Figure M2.

3-3-2. PROCEDURES FOR CLEANING OF THE CYLINDER UNIT

1, Position the Video Head to permit access for cleaning and hold the upper cylinder to keep it from turning while cleaning.
2. Gently rub the Video Head in direction of tape travel with Head Cleaning Stick moistened with Cleaning.
3. Repeat for the other video heads (Figure M3).

Note: 1.Do not rub vertically.
2.Do not apply any pressure to heads.

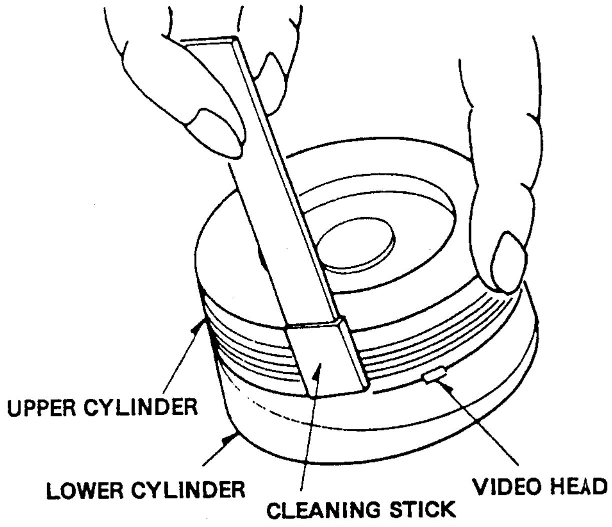

UPPER CYLINDER
LOWER CYLINDER
CLEANING STICK
VIDEO HEAD

Figure M3

3-4. HOW TO EJECT MANUALLY

If the electrical circuit is defective and the action of unloading and front unloading don't work properly, it is possible to eject manually as follows.

1. Take out the Main AC.
2. Release the direction as shown in Figure M3.
3. Release the Wormshaft to clockwise unit cassette is ejected.

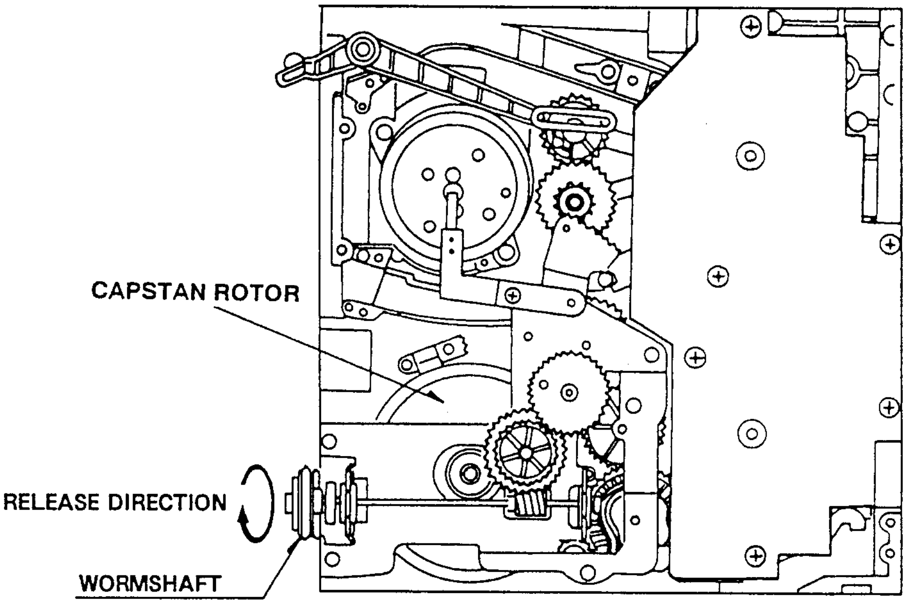

CAPSTAN ROTOR
RELEASE DIRECTION
WORMSHAFT

Figure M6 How to Eject Manually

SECTION 4

ELECTRICAL ADJUSTMENT

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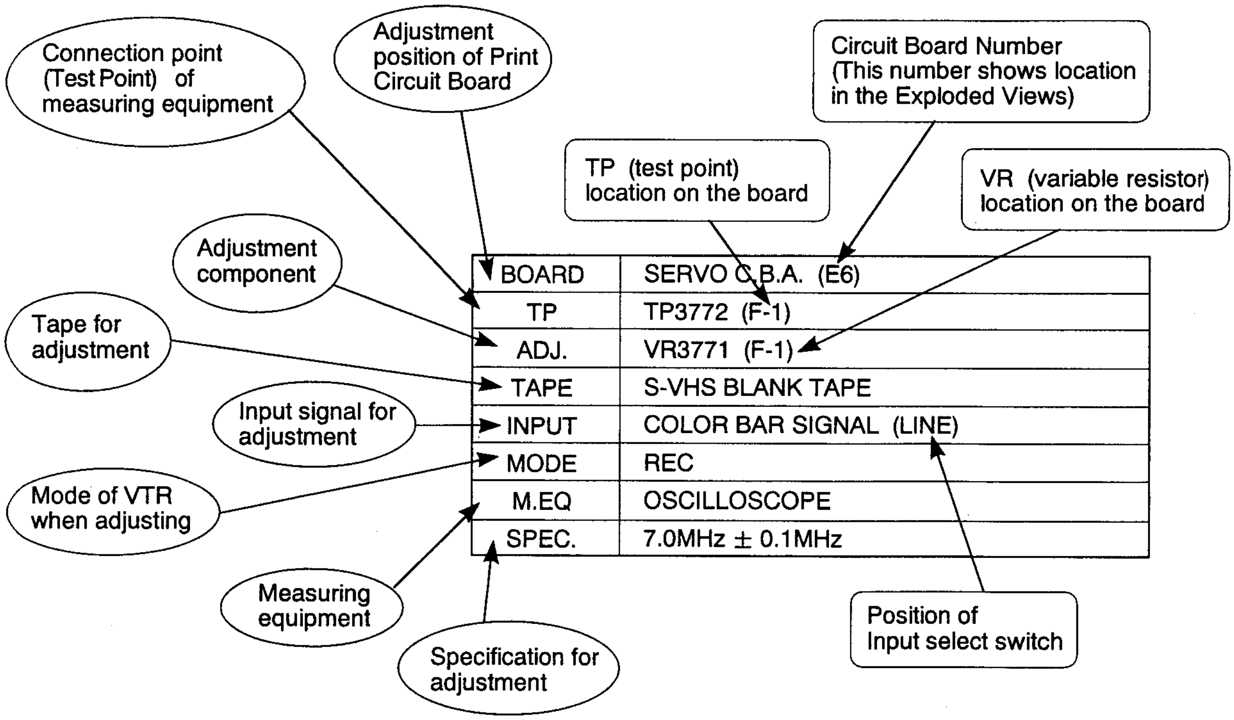
4-1. TEST & SERVICE EQUIPMENT

No.	EQUIPMENT	No.	EQUIPMENT
1	D.V.M. (Digital Volt Meter)	9	Vector Scope
2	Dual-Trace Oscilloscope (with Probes)	10	SCH Meter
3	Frequency Counter	11	Color Moniter TV
4	Sinewave Signal Generator (RC Oscillator)	12	VHS Alignment Tape (VFM8080HQFP)
▨ 5	▨ Video Sweep Generator	13	Extender Board (VFK0829,VFK0941)
▨ 6	▨ Waveform Monitor	14	BLANK TAPE (S-VHS)
7	Video Signal Generator (Composite,Y/C)	15	BLANK TAPE (VHS)
▨ 8	▨ Spectrum Analyzer	16	VHS Alignment Tape (VFM8044H2FH)

NOTE : It is possible to make an adjustment by using another method (i.e. the SIMPLE ADJUSTMENTdescribed in this manual) if you do not have the measuring instruments shown in the screened cells ▨ in the table above. However, it is strongly recommended that these be used for ensuring a correct adjustmnt.

The extension board should be used only when it is required for a correct adjustment.

4-2. HOW TO READ THE ADJUSTMENT PROCEDURES TABLE


Connection point (Test Point) of measuring equipment
Adjustment position of Print Circuit Board
Circuit Board Number (This number shows location in the Exploded Views)
TP (test point) location on the board
VR (variable resistor) location on the board
Adjustment component
Tape for adjustment
Input signal for adjustment
Mode of VTR when adjusting
Measuring equipment
Specification for adjustment
Position of Input select switch

BOARD	SERVO C.B.A. (E6)
TP	TP3772 (F-1)
ADJ.	VR3771 (F-1)
TAPE	S-VHS BLANK TAPE
INPUT	COLOR BAR SIGNAL (LINE)
MODE	REC
M.EQ	OSCILLOSCOPE
SPEC.	7.0MHz ± 0.1MHz

NOTE : If video and/or audio signals are required for the AG-DS545, record the indicated input signals on the adjusted AG-DS555, and play the signals on the AG-DS545 for making an adjustment.

4-3. SERVO SECTION

-3-1. PG SHIFTER ADJUSTMENT

« IOTE »
sure to make this adjustment after completing the Tape Interchangeability Adjustment.

OARD	SERVO & SYSTEM CTL C.B.A (E3)
TP	TP41003 (G-1): AUDIO (2) C.B.A. (E8) TP3303 (F-1): VIDEO I/O C.B.A. (E5)
ADJ.	VR2001 (H-5)
TAPE	VFM8080HQF ② or VFM8000H2DH
INPUT	
MODE	PLAYBACK
M.EQ	OSCILLOSCOPE
SPEC.	T = 7.5H±0.25H

SET UP »
S NC: NORM (MENU NO.1001)
FRAME SERVO: OFF (MENU NO.6005)
T ACKING VR: CENTER (FIX)

1 Playback the standard tape (VFM8080HQF ② or VFM8000H2DH).
2. Connect the oscilloscope to TP41003 for CH1 and TP3303 for CH2.
3 Adjust VR2001 so that the switching position (rising position) becomes 7.5H ± 0.25H before the V synk position (as shown in Fig. E1).

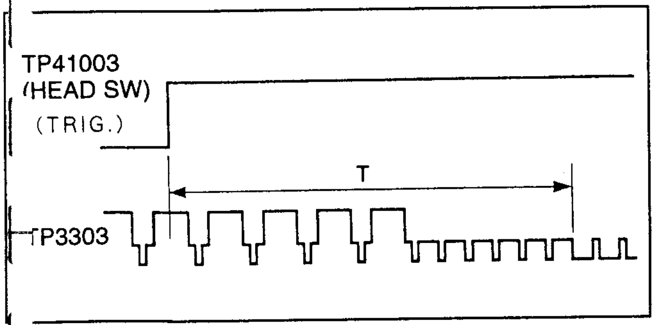


Fig. E1

1-3-2. TRACKING FIX ADJ.

BOARD	SERVO & SYSTEM CTL C.B.A. (E3)
TP	TP41003 (G-1): AUDIO (2) C.B.A. (E8) TP61004 (A-10): INTERFACE C.B.A. (E9)
ADJ.	VR2003 (H-6)
TAPE	VFM8080HQF ② or VFM8000H2DH
INPUT	
MODE	PLAYBACK
M.EQ	OSCILLOSCOPE
SPEC.	T = 0.4msec.±0.1msec.

« SET UP »
NC: NORM (MENU NO.1001)
RAME SERVO: OFF (MENU NO.6005)
TRACKING VR: CENTER (FIX)

1. Playback the standard tape (VFM8080HQF ② or VFM8000H2DH).
2. Connect the oscilloscope to TP41003 for CH1 and TP61004 for CH2.
3. Adjust VR2003 so that "T" becomes 0.4msec ± 0.1msec (as shown in Fig. E2).

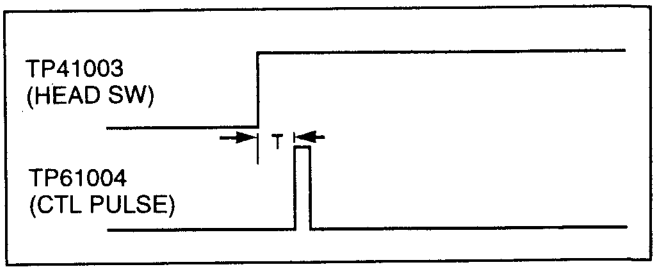


Fig. E2

4-4. VIDEO REC SECTION

4-4-1. RF PEAK FREQUENCY ADJ.

BOARD	VIDEO I/O (E5)
TP	TP3007 (B-1)
ADJ.	VR3008 (B-1)
TAPE	
INPUT	SWEEP SIGNAL (6.7MHz marked, 200mV)
MODE	EJECT (EE)
M.EQ	OSCILLOSCOPE
SPEC.	A = 6.7MHz±0.2MHz

« NOTE »
After completing this adjustment, be sure to make adjustments of the sections "4-4-2. S-VHS LIMITER ADJ.", "4-4-19. S-VHS NORMAL EQUALIZER ADJ.", and "4-4-23. VHS PB Y LEVEL ADJ.".

« SET UP »
S-VHS REC: ON (MENU NO.2006)
TBC: OFF
INPUT: LINE

1. Connect the oscilloscope to TP3007.
2. Connect both of TP3002 and TP3004 to GND.
3. Connect the sweep generator to TP3003 to input 200mV (at 6.7MHz).
4. Fully rotate VR3001, VR3005, and VR3006 counterclockwise.
5. Adjust VR3008 so that the peak frequency becomes 6.7MHz ±0.2MHz as shown in Fig. E4.
6. Remove the short between TP3002 and TP3004.

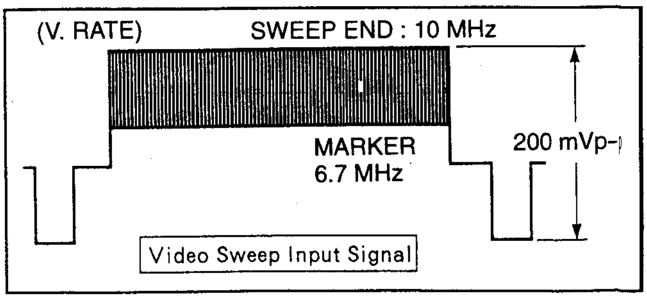


Fig. E3

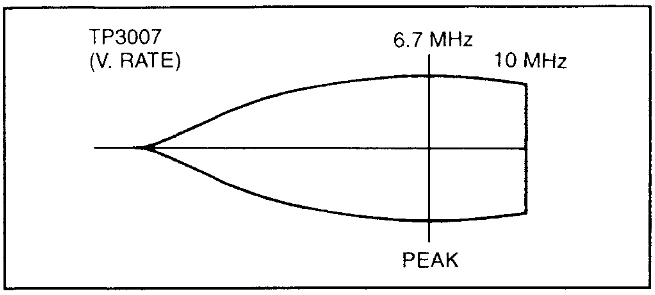


Fig. E4

4-4-2. S-VHS LIMITER ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	TP3007 (B-1)
ADJ.	VR3001 (B-1)
TAPE	
INPUT	(6.7MHz, 100mV)
MODE	EJECT (EE)
M.EQ	OSCILLOSCOPE, CR GENERATOR
SPEC.	A = 430mV±20mVp-p

« NOTE »

This adjustment should be always performed after the adjustment described in the section "4-4-1. RF PEAK FREQUENCY ADJ." is completed. After completing this adjustment, be sure to make adjustments of the sections "4-4-19. S-VHS NORMAL EQUALIZER ADJ." and "4-4-23. VHS PB Y LEVEL ADJ.".

« SET UP »

S-VHS REC: ON (MENU NO.2006)
TBC: OFF
INPUT: LINE

1. Connect the oscilloscope to TP3007.
2. Fully rotate VR3005 and VR3006 counterclockwise.
3. Connect TP3003 to GND.
4. Connect the CR generator to TP3003 and input the sine wave signal of 6.7MHz, 100mV.
5. Adjust VR3001 so that the value of A becomes 430mV ±20mVp-p.
6. After the adjustment is completed, remove the short of TP3002 and return VR3005 and VR3006 to the center position.

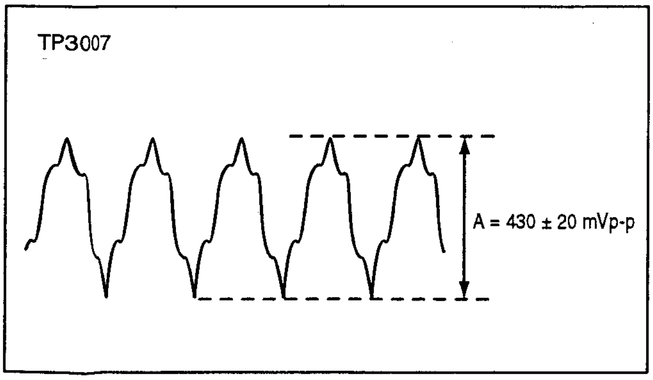


Fig. E5

4-4-3. FSC FREQUENCY ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3204 (F-1)
ADJ.	VC3201 (E-1)
TAPE	
INPUT	
MODE	EJECT (EE)
M.EQ	FREQUENCY COUNTER
SPEC.	3.579545MHz±100Hz

« SET UP »

TBC: OFF

1. Connect the frequency counter to TP3204.
2. Connect TP3201 to GND.
3. Adjust VC3201 so that the reading of the frequency counter becomes 3.579545MHz ±100Hz.
4. After the adjustment is completed, remove the short of TP3201.

4-4-4. VCO ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3207 (E-1)
ADJ.	VC3202 (D-1)
TAPE	
INPUT	
MODE	EJECT (EE)
M.EQ	FREQUENCY COUNTER
SPEC.	15.73kHz±0.5kHz

« SET UP »

TBC: OFF

1. Connect the frequency counter to TP3207.
2. Connect TP3201 to GND.
3. Adjust VC3202 so that the reading of the frequency counter reads 15.73KHz ±0.5kHz.
4. After the adjustment is completed, remove the short of TP3201.

4-5. CHROMA LOGICOM ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3203 (E-1)
ADJ.	VR3201 (E-1), VR3204 (D-1), CR3205 (D-1), VR3206 (D-1)
TAPE	
INPUT	MULTI-BURST SIGNAL (1Vp-p 75 Ω terminated)
MODE	EJECT (EE)
M.EQ	OSCILLOSCOPE
SPEC.	A = minimum (3.58MHz)

NOTE »

LINE IN should not be input.

SET UP »

S-VHS REC: ON (MENU NO.2006)
INPUT: LINE

Connect the oscilloscope to TP3203.

2. Connect TP3201 to GND.
3. Connect the multi-burst signal (1Vp-p 75 Ω terminated) to TP3202.

Connect TP3206 to GND and set it to "1H", then adjust VR3205 and VR3201 alternately so that "A" becomes minimum.

Open the short of TP3206 and set it to "2H", then adjust VR3206 and VR3204 alternately so that "A" becomes minimum (as shown in Fig E6)

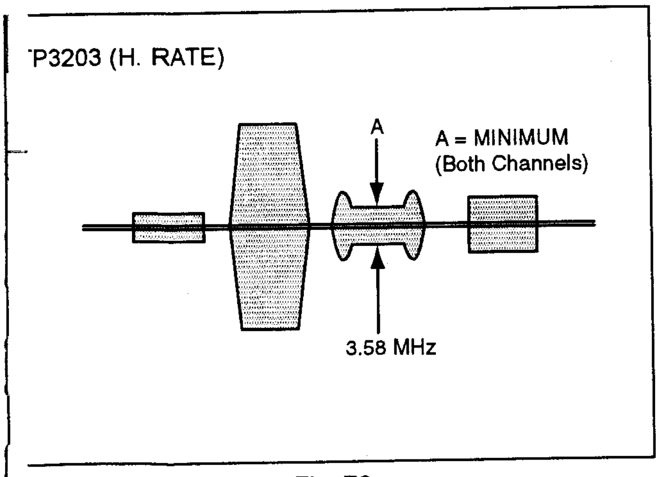


Fig. E6

4-4-6. COMPOSITE LEVEL ADJ.

BOARD	VIDEO YC C.B.A. (E13)
TP	TP9601 (F-1)
ADJ.	VR9001 (E-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	A = 1.5Vp-p±0.05Vp-p

« SET UP »

VIDEO MODE: AUTO (MENU NO.2002)
PB/EE SELECT: EE (MENU NO.2004)
INPUT: LINE
TBC: OFF

1. Connect the oscilloscope to TP9601.
2. Adjust VR9001 so that the level becomes 1.5Vp-p ± 0.05Vp-p (as shown in Fig. E7).

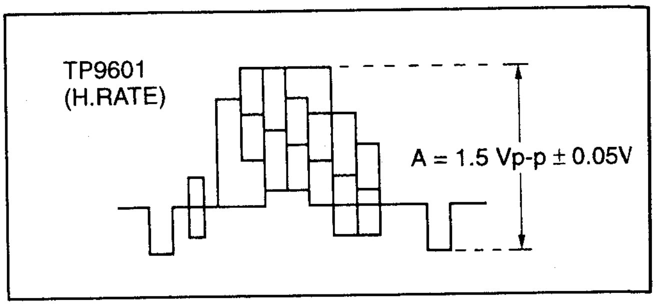


Fig. E7

4-4-7. EE Y LEVEL ADJ.

BOARD	YC REC C.B.A. (E13)
TP	VIDEO OUT (75 Ω)
ADJ.	VR9002 (F-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (EE)
M.EQ	WAVEFORM MONITOR
SPEC.	A = 1.00Vp-p±0.02Vp-p

« SET UP »

TBC: OFF
INPUT: LINE

1. Connect the waveform monitor to VIDEO OUT.
2. Adjust VR9002 so that the value of the Y level becomes 1.00Vp-p±0.02Vp-p (as shown in Fig. E8).

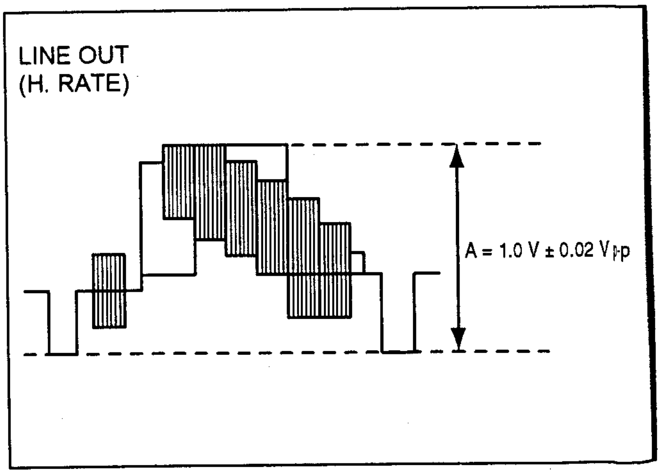


Fig. E8

4-4-8. REC SUBEMPHASIS INPUT ADJ.

BOARD	YC REC C.B.A. (E13)
TP	TP3003(C-1) [in VIDEO YC C.B.A.(E6)]
ADJ.	VR9004 (A-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (EE)
M.EQ	OSCILLOSCOPE
SPEC.	A = 400mV±8mVp-p

« NOTE »

Make this adjustment after completing the adjustment described in the section "4-4-7. EE Y LEVEL ADJ".

« SET UP »

S-VHS REC: ON (MENU NO.2006)
TBC: OFF
INPUT: LINE

1. Connect the oscilloscope to TP3003.
2. Adjust VR9004 so that the A level becomes 400mV± 8mVp-p (as shown in Fig. E9).

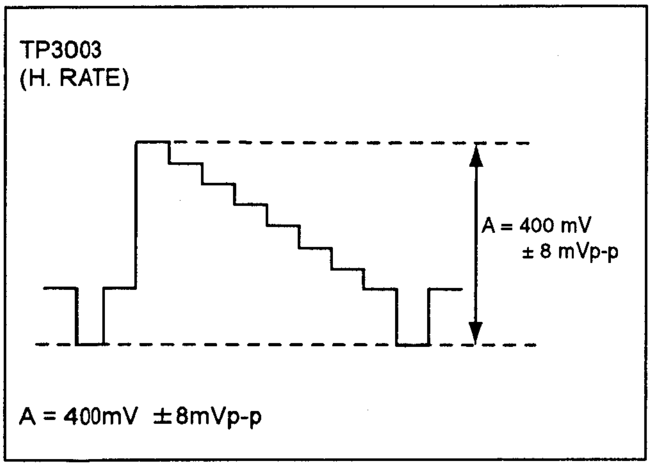

TP3003
(H. RATE)
A = 400 mV
± 8 mVp-p
A = 400mV ±8mVp-p

Fig. E9

4-4-9. S-VHS DEVIATION ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3003 (C-1), P3632-17A (E-3)
ADJ.	VR3003 (f0) (A-1), VR3005 (DEV) (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (EE)
M.EQ	OSCILLOSCOPE
SPEC.	f = 5.4MHz±0.05MHz LEVEL = 300mV±10mV

« NOTE »

Be sure to make the adjustment described in the section "4-4-11. S-VHS, WC, DC ADJ." after this adjustment is completed.

« SET UP »

VIDEO MODE: AUTO (MENU NO.2002)
S-VHS REC: ON (MENU NO.2006)
VIDEO LEVEL control: PUSH (AGC: ON)
INPUT: LINE

1. Input the color bar signal in the LINE.
2. Connect the oscilloscope to TP3003.
3. Adjust VR9303 (DC) and VR9304 (WC) (YC REC C.B.A.) so that the overshoot becomes minimum (as shown in Fig. E10).

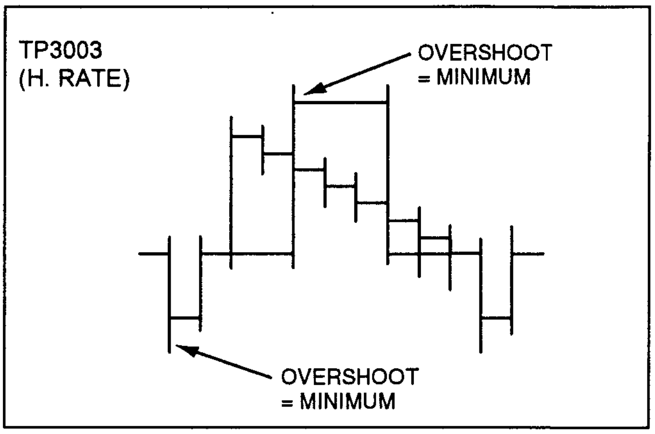

TP3003
(H. RATE)
OVERSHOOT
= MINIMUM
OVERSHOOT
= MINIMUM

Fig. E10

4. Remove the color bar signal (LINE).
5. Connect the frequency counter to 17A of P3632.
6. Adjust VR3003 so that the reading of the frequency counter becomes 5.4MHz±0.05MHz.
7. Input the color bar signal into the LINE again.
8. Connect the oscilloscope to VR3003 as shown in Fig. E11.

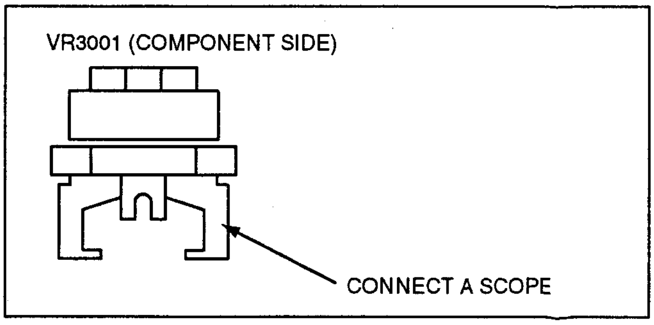

VR3001 (COMPONENT SIDE)
CONNECT A SCOPE

Fig. E11

9. Adjust VR3005 so that the level becomes 300mVp-p± 10mV as shown in Fig. E12.

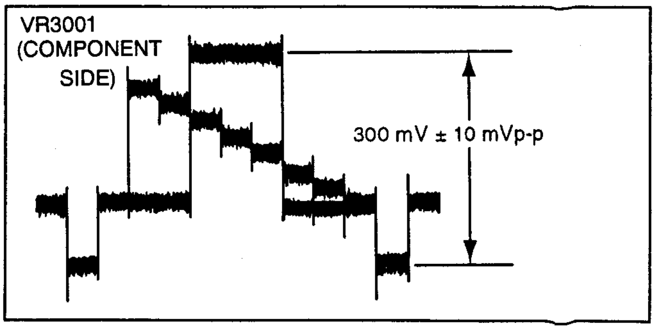

VR3001
(COMPONENT
SIDE)
300 mV ± 10 mVp-p

Fig. E12

4-10. VHS DEVIATION ADJ.

BOARD	YC REC (E13)/VIDEO YC C.B.A. (E6)
TP	P3632-17A (E-3), TP3003 (C-1)
ADJ.	VR3004 VIDEO YC C.B.A. (E6), VR9005 YC REC C.B.A. (E13)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	REC
M.EQ	OSCILLOSCOPE
SPEC.	f = 3.8MHz±0.05MHz LEVEL = 380mV±10mVp-p

« NOTE »

Make this adjustment after completing the adjustment described in the section "4-4-9. S-VHS DEVIATION ADJ.".

« SET UP »

S-VHS REC: OFF (MENU NO.2006)
C: OFF
PUT: LINE

1. Connect the frequency counter to 17A of P3632 instead of connecting the color bar signal.
2. Adjust VR3004 so that the reading of the frequency counter becomes 3.8MHz±0.05MHz.
3. Input the color bar signal to LINE.
4. Connect the oscilloscope to TP3003.
5. Adjust VR9005 so that the video level becomes 380mVp-p±10mVp-p as shown in Fig. E13.

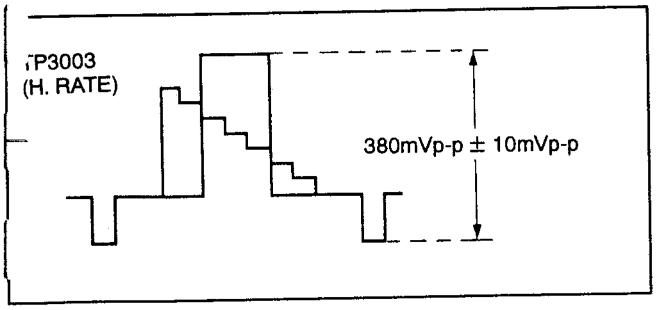


Fig. E13

4-4-11. S-VHS, WC, DC ADJ.

BOARD	YC REC C.B.A. (E13)
TP	TP3003 (C-1) VIDEO YC C.B.A. (E6)
ADJ.	VR9304 (C-1), VR9303 (C-1)
TAPE	
INPUT	SIN^2 PULSE & BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	A = 215±5%, B = 70±5%

« NOTE »

Make this adjustment after completing the adjustment described in the section "4-4-9. S-VHS DEVIATION ADJ.".

« SET UP »

S-VHS REC: ON (MENU NO.2006)
TBC: OFF
INPUT: LINE

1. Connect the oscilloscope to TP3003.
2. Adjust VR9304 so that the white clip part becomes 215 ±5%.
3. Adjust VR9303 so that the dark clip part becomes 70± 5% as shown in Fig. E14.

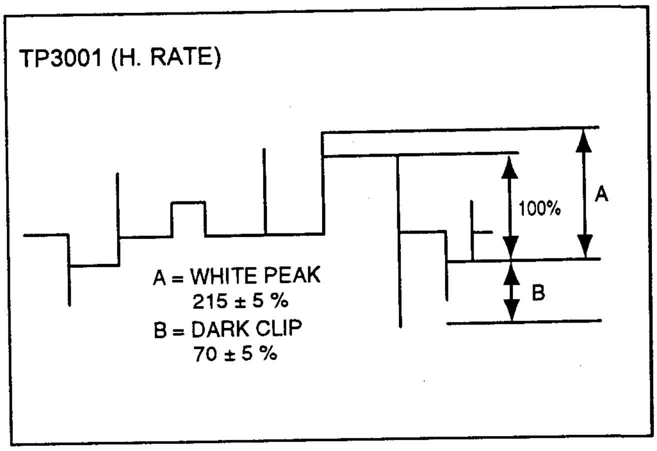


Fig. E14

4-4-12. EE CHROMA LEVEL ADJ.

BOARD	YC REC C.B.A. (E13)
TP	VIDEO OUT
ADJ.	VR9305 (E-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	REC
M.EQ	WAVEFORM MONITOR
SPEC.	A = 0.65Vp-p±0.03Vp-p (Cyan level)

« SET UP »

S-VHS REC: ON (MENU NO.2006)
TBC: OFF
INPUT: LINE

1. Connect the waveform monitor to the VIDEO OUT terminal.
2. Adjust VR9305 so that the value of A becomes 0.65Vp-p ±0.03Vp-p..

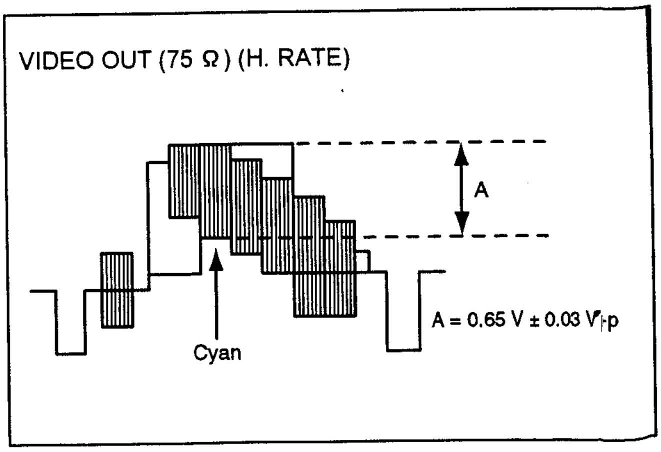


Fig. E15

4-4-13. VIDEO LEVEL METER ADJ.

BOARD	YC REC C.B.A. (E13)
TP	VIDEO LEVEL METER
ADJ.	VR9003 (E-1)
TAPE	
INPUT	COLOR BAR SIGNAL (S-VIDEO)
MODE	EJECT (E-E)
M.EQ	
SPEC.	REFER TO FIG. E16.

« SET UP »
IMAGE MODE SELECT: EDIT (MENU NO.2001)
PB/EE SELECT: EE (MENU NO.2004)
VIDEO LEVEL control: PUSH (AGC: ON)
INPUT: LINE

1. Adjust VR9003 so that the VIDEO LEVEL METER value becomes "0".

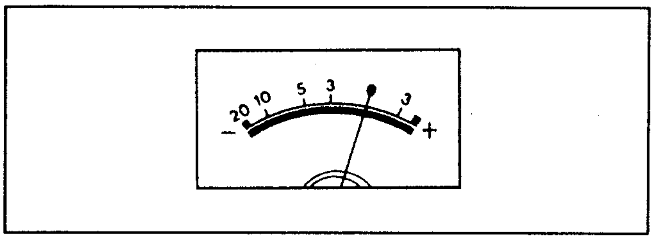


Fig. E16

4-4-14. CHROMA REC CURRENT ADJ.

BOARD	HEAD AMP C.B.A. (E15)
TP	TP5003 (HOT) (B-4), TP5002 (GND) (B-4)
ADJ.	VR5001 (B-4), VR5002 (B-4)
TAPE	S-VHS BLANK TAPE
INPUT	COLOR BAR SIGNAL (LINE)
MODE	REC
M.EQ	OSCILLOSCOPE
SPEC.	48mVp-p±2mVp-p (Cyan level)

« NOTE »
Make the adjustment described in the section "4-4-15. S-VHS Y REC CURRENT ADJ." after this adjustment is completed.

« SET UP »
VIDEO MODE: AUTO (MENU NO.2002)
S-VHS REC: ON (MENU NO.2006)
VIDEO LEVEL control: PUSH (AGC: ON)
INPUT: LINE
TBC: OFF

1. Fully rotate VR5001 clockwise to eliminate the Y carrier.
2. Make recording of the color bar signal in the S-VHS mode.
3. Connect the oscilloscope to TP5003 with an 1:1 probe.
4. Adjust VR5002 so that the sync tip level becomes 48mVp-p±2mVp-p as shown in Fig. E17.

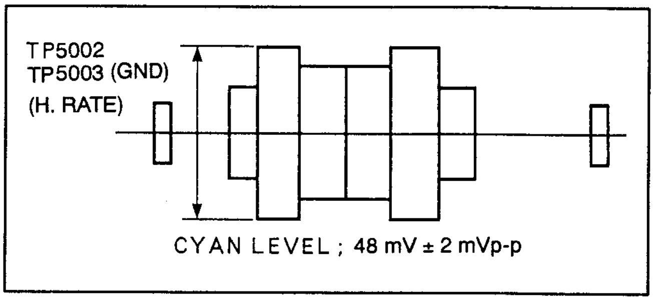


Fig. E17

4-4-15. S-VHS Y REC CURRENT ADJ.

BOARD	HEAD AMP. C.B.A. (E15)
TP	TP5003 (HOT) (B-4), TP5002 (GND) (B-4)
ADJ.	VR5001 (B-4)
TAPE	S-VHS BLANK TAPE
INPUT	COLOR BAR SIGNAL (LINE)
MODE	REC (VHS)
M.EQ	OSCILLOSCOPE
SPEC.	175mVp-p±2mVp-p

« NOTE »
Be sure to make this adjustment after completing the adjustment described in the section "4-4-14. CHROMA REC CURRENT ADJ.".

« SET UP »
VIDEO MODE: AUTO (MENU NO.2002)
S-VHS REC: ON (MENU NO.2006)
VIDEO LEVEL control: PUSH (AGC: ON)
INPUT: LINE
TBC: OFF

1. Make recording of the color bar signal in the S-VHS mode.
2. Connect the oscilloscope to TP5003 with an 1:1 probe.
3. Adjust VR5001 so that the sync tip level becomes 175mVp-p±2mVp-p as shown in Fig. E18.

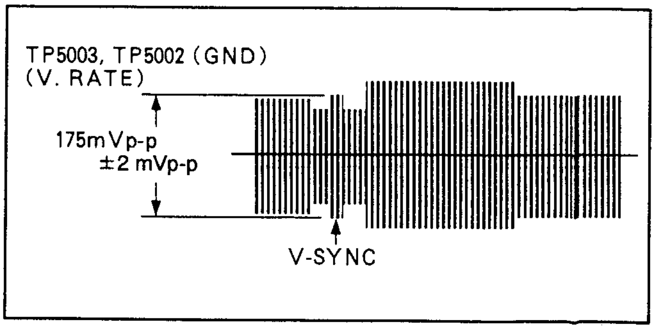


Fig. E18

4-16. VHS Y REC CURRENT ADJ.

« NOTE »

sure to make this adjustment after completing the adjustments described in the sections "4-4-14. CHROMA REC CURRENT ADJ." and "4-4-15. S-VHS Y REC CURRENT ADJ.".

OARD	VIDEO I/O C.B.A. (E5)
TP	TP5003 (HOT) (B-4), TP5002 (GND) (B-4) [HEAD AMP C.B.A. (E15)]
ADJ.	VR3601 (C-1)
TAPE	VHS BLANK TAPE
NPUT	COLOR BAR SIGNAL (LINE)
MODE	REC (VHS)
M.EQ	OSCILLOSCOPE
SPEC.	180mVp-p±5mVp-p

« SET UP »

DEO MODE: AUTO (MENU NO.2002)
HS REC: OFF (MENU NO.2006)
VIDEO LEVEL control: PUSH (AGC: ON)
INPUT: LINE
C: OFF

1. Make recording of the color bar signal in the S-VHS mode.

Connect the oscilloscope to TP5003 with an 1:1 probe.

Adjust VR3601 so that the sync tip level becomes 180mVp-p±5mVp-p as shown in Fig. E19.

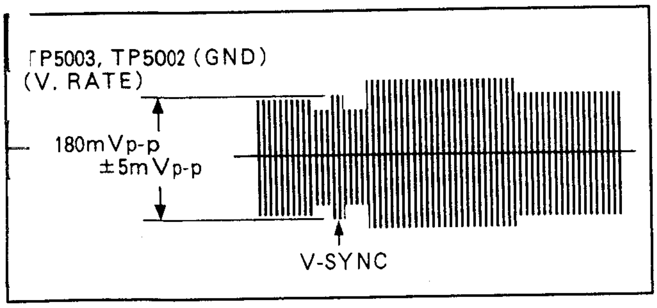


Fig. E19

4-4-17. PB S-VHS SUBEMPHASIS ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3001 (B-1)
ADJ.	VR3002 (A-1)
TAPE	COLOR BAR SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	400mVp-p±8mVp-p

« SET UP »

VIDEO MODE: AUTO (MENU NO.2002)
S-VHS REC: ON (MENU NO.2006)
VIDEO LEVEL control: PUSH (AGC: ON)
INPUT: LINE

1. Make self-recording and playing of the color bar signal in the S-VHS mode.
2. Connect the oscilloscope to TP3001.
3. Adjust VR3002 so that the signal level becomes 400mVp-p±8mVp-p.

4-4-18. S-VHS DROP OUT LEVEL ADJ.

BOARD	VIDEO I/O C.B.A. (E6)
TP	TP3002 (B-1)
ADJ.	VR3007 (B-1)
TAPE	COLOR BAR SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	OSCILLOSCOPE (100MHz or more)
SPEC.	A = MINIMUM

« NOTE »

1. *Use an oscilloscope whose frequency band width is 100MHz or more.*
2. *Be sure to adjust the TRACKING control.*

« SET UP »

VIDEO MODE: AUTO (MENU NO.2002)
S-VHS REC: ON (MENU NO.2006)
VIDEO LEVEL control: PUSH (AGC: ON)
INPUT: LINE

1. Make self-recording and playing of the color bar signal in the S-VHS mode.
2. Connect the oscilloscope to TP3002 with an 1:1 probe.
3. Adjust VR3007 so that the level of "A" becomes minimum as shown in Fig. E20.

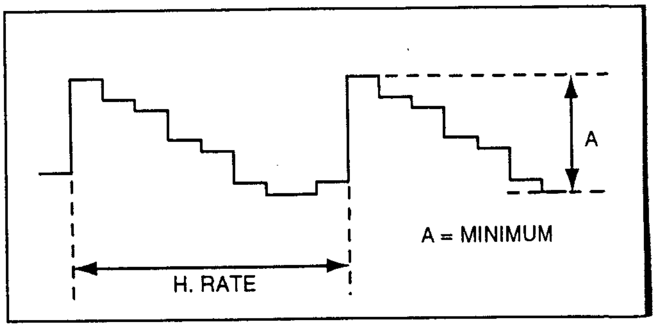


Fig. E20

4-4-19. S-VHS NORMAL EQUALIZER ADJ.

A. STANDARD ADJUSTMENT

BOARD	VIDEO I/O C.B.A. (E5)
TP	LINE OUT
ADJ.	VR3005 (C-1) (L CH), VR3006 (C-1) (R CH)
TAPE	30% VIDEO SWEEP SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	100kHz : 4MHz = 5 : 3.6±0.5

« SET UP »

IMAGE MODE SELECT: EDIT (MENU NO.2001)
S-VHS REC: ON (MENU NO.2006)
VIDEO LEVEL control: PUSH (AGC: ON)
INPUT: LINE

1. Make self-recording and playing of the 30% video sweep signal in the S-VHS mode as shown in Fig. E21.

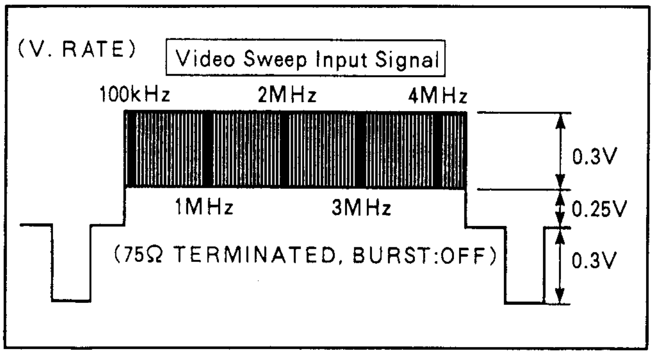

(V. RATE)
Video Sweep Input Signal
100kHz
2MHz
4MHz
1MHz
3MHz
(75Ω TERMINATED, BURST:OFF)
0.3V
0.25V
0.3V

Fig. E21

2. Connect the oscilloscope to the LINE OUT terminal.
3. Adjust the range of the oscilloscope so that the 100kHz level reaches 5 scales.
4. Adjust VR3005 (L CH) and VR3006 (R CH) so that both level of 100kHz and 4MHz becomes 5 : 3.6 as shown in Fig. E22.

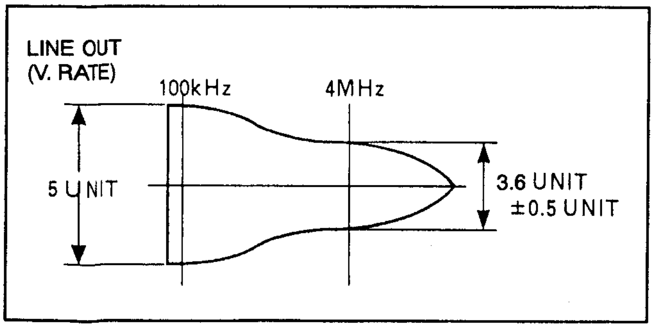

LINE OUT
(V. RATE)
100kHz
4MHz
5 UNIT
3.6 UNIT
±0.5 UNIT

Fig. E22

B. SIMPLE ADJUSTMENT

BOARD	VIDEO YC C.B.A. (E6)
TP	LINE OUT
ADJ.	VR3005 (B-1) (L CH), VR3006 (B-1) (R CH)
TAPE	MULTI-BURST SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	100kHz : 4MHz = 5 : 3.6±0.5

« SET UP »

IMAGE MODE SELECT: EDIT (MENU NO.2001)
S-VHS REC: ON (MENU NO.2006)
VIDEO LEVEL control: PUSH (AGC: ON)
INPUT: LINE

1. Make self-recording and playing of the multi-burst signal in the S-VHS mode as shown in Fig. E23.

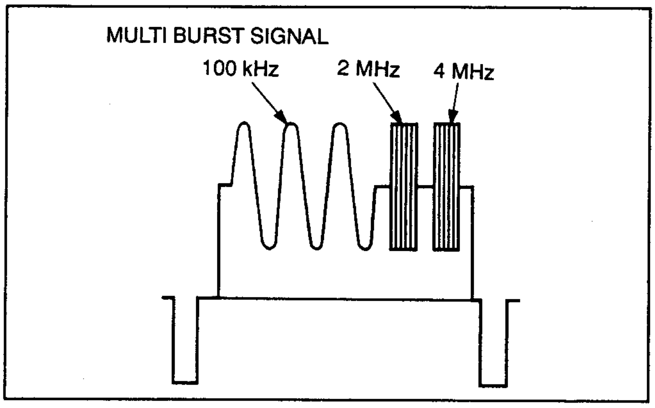

MULTI BURST SIGNAL
100 kHz
2 MHz
4 MHz

Fig. E23

2. Connect the oscilloscope to LINE OUT.
3. Adjust the range of the oscilloscope so that the 100kHz level reaches 5 scales. (Measure it between the noise peak and the inside of the signal (as shown in Fig. E24).

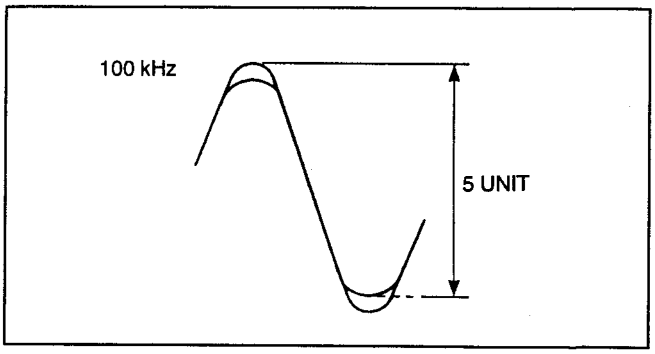

100 kHz
5 UNIT

Fig. E24

4. Throttle VR3006 to observe the L-CH signal. At this time, adjust VR3005 so that the 4MHz level reaches 3.6 scales as shown Figs. E25 and E26. (Read the waveform in the same way as reading the 100kHz level. Refer to Fig. E24.)
5. Adjust VR3006 so that the level of the 4MHz frequency response reaches 3.6 scales as well as L-CH.

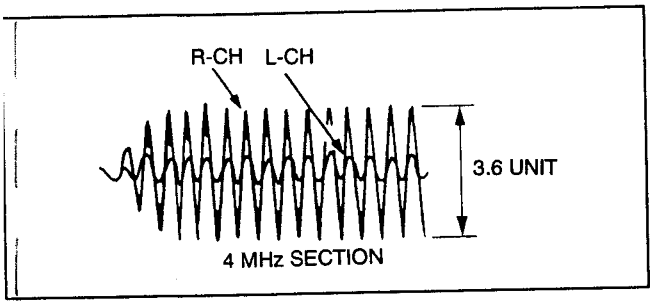


Fig. E25

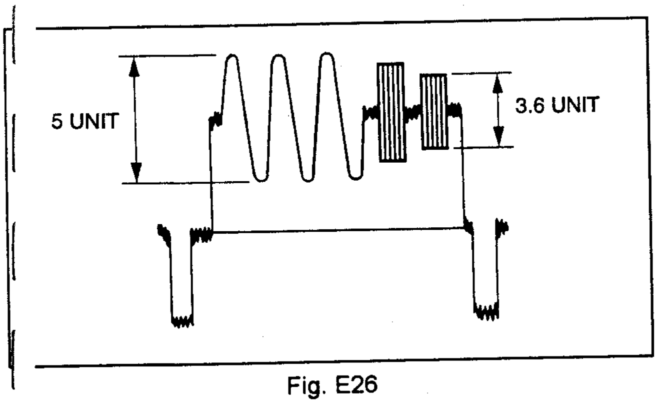


Fig. E26

4-4-20. S-VHS SEARCH EQUALIZER ADJ.

« NOTE »

Be sure to make this adjustment after completing the adjustment described in the section "4-4-19. S-VHS NORMAL EQUALIZER ADJ.".

BOARD	VIDEO I/O C.B.A. (E5)
TP	LINE OUT
ADJ.	VR3003 (L CH) (C-1), VR3004 (R CH) (B-1)
TAPE	30% VIDEO SWEEP SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	JOG
M.EQ	OSCILLOSCOPE
SPEC.	100kHz : 4MHz±0.5dB (4MHz) for L and R

« SET UP »

IMAGE MODE SELECT: EDIT (MENU NO.2001)
S-VHS REC: ON (MENU NO.2006)
VIDEO LEVEL control: PUSH (AGC: ON)

1. Make self-recording and playing of the 30% video sweep signal (in Fig. E21) in the S-VHS mode.
2. Select the JOG mode, and rotate the JOG dial slowly to adjust VR3003 and VR3004 so that each of L' ch, R' ch, L ch, and Rch heads has the equal playback response.

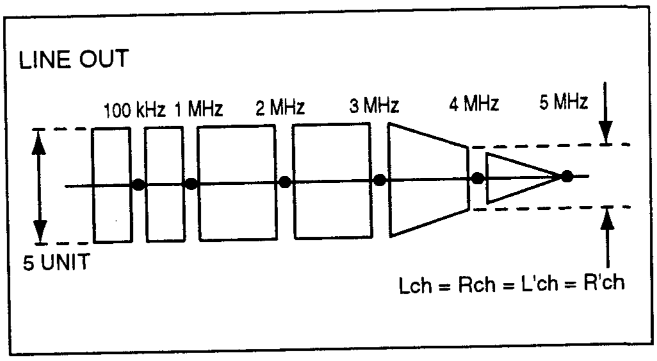


Fig. E27

4-4-21. VHS EQUALIZER ADJ.

« NOTE »

Be sure to make this adjustment after completing the adjustment described in the section "4-4-19. S-VHS NORMAL EQUALIZER ADJ.".

A. STANDARD ADJUSTMENT

BOARD	VIDEO I/O C.B.A. (E5)
TP	LINE OUT
ADJ.	VR3007 (B-1)
TAPE	VIDEO SWEEP SIGNAL (B/W) SELF-RECORDED TAPE (VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	100kHz : 2MHz = 5 : 3.0±0.5

« SET UP »

IMAGE MODE SELECT: EDIT (MENU NO.2001)
S-VHS REC: ON (MENU NO.2006)
VIDEO LEVEL control: PUSH (AGC: ON)
INPUT: LINE

1. Make self-recording and playing of the 30% video sweep signal (in Fig. E21) in the VHS mode.
2. Connect the oscilloscope to LINE OUT.
3. Adjust the range of the oscilloscope so that the 100kHz level reaches 5 scales.
4. Adjust VR3007 so that the 3MHz level reaches 3.0 scales as shown in Fig. E28.

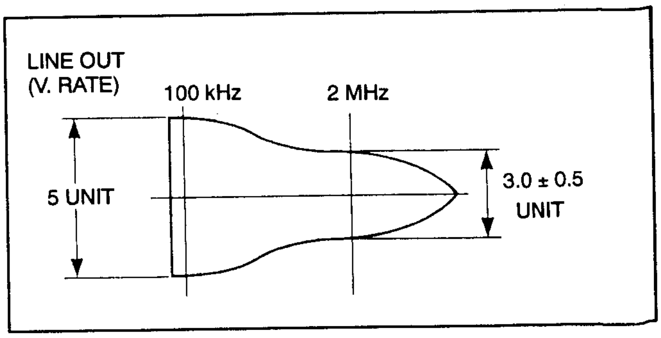


Fig. E28

B. SIMPLE ADJUSTMENT

BOARD	VIDEO I/O C.B.A. (E5)
TP	LINE OUT
ADJ.	VR3007 (B-1)
TAPE	MULTI-BURST SIGNAL (B/W) SELF-RECORDED TAPE (VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	100kHz : 2MHz = 5 : 3.0±0.5

« SET UP »
Same as shown in "A. STANDARD ADJUSTMENT" above

1. Make self-recording and playing of the multi-burst signal (in Fig. E23) in the VHS mode.
2. Connect the oscilloscope to LINE OUT.
3. Adjust the range of the oscilloscope so that the 100kHz level reaches 5 scales. (Measure it between the noise peak and the inside of the signal (as shown in Fig. E24).
4. Adjust VR3007 so that the 3MHz level reaches 3.0 scales as shown in Fig. E29.

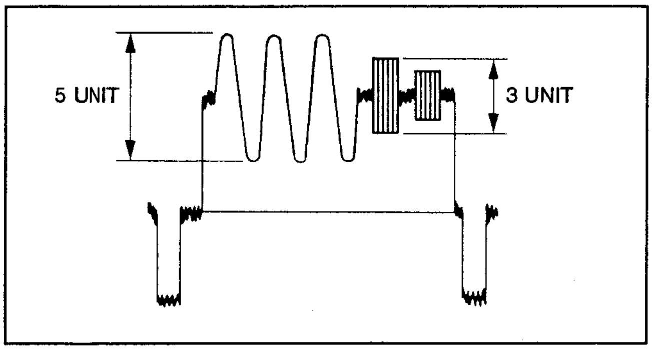


Fig. E29

4-4-22. S-VHS PB Y LEVEL ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	TP3004 (A-1)
ADJ.	VR3006 (C-1)
TAPE	COLOR BAR SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY, STOP (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	PLAY LEVEL = E-E LEVEL±0.03Vp-p

« SET UP »
PB/EE SELECT: EE (MENU NO.2004)
S-VHS REC: ON (MENU NO.2006)
VIDEO LEVEL control: PUSH (AGC: ON)

1. Make self-recording and playing of the color bar signal in the S-VHS mode.
2. Connect the oscilloscope to TP3004.
3. Press the PLAY and STOP buttons alternately to adjust VR3006 so that the V level of the PLAY mode is equal to the EE level (±0.03Vp-p) as shown in Fig. E30.

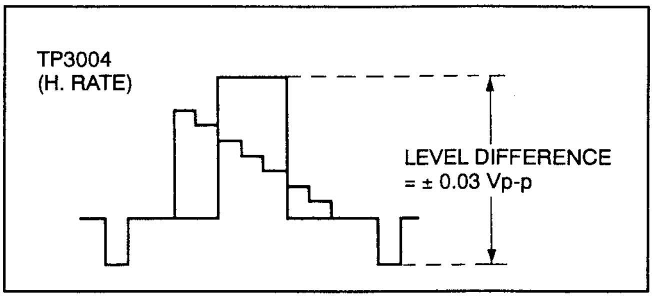


Fig. E30

4-4-23. VHS PB Y LEVEL ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3004 (A-1)
ADJ.	VR3001 (A-1)
TAPE	COLOR BAR SIGNAL SELF-RECORDED TAPE (VHS) (LINE)
INPUT	
MODE	PLAY, STOP (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	PLAY LEVEL = E-E LEVEL±0.03Vp-p

« SET UP »
S-VHS REC: OFF (MENU NO.2006)
TBC CONTROL: CENTER POSITION
INPUT: LINE

1. Make self-recording and playing of the color bar signal in the VHS mode.
2. Connect the oscilloscope to TP3004.
3. Press the PLAY and STOP buttons alternately to adjust VR3001 so that the V level of the PLAY mode is equal to the EE level (±0.03Vp-p) as shown in Fig. E30.

● Before making adjustment, fully rotate VR3001 counter-clockwise, and turn it clockwise by slow degrees. If you find the first point where reaches the specified level value above, it is the VHS PB Y LEVEL adjustment point.

4-4-24. VIDEO TRACKING METER ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO TRACKING METER
ADJ.	VR3002 (A-1)
TAPE	COLOR BAR SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY, STOP (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG. E31.

« SET UP »
INPUT: LINE
S-VHS REC: ON (MENU NO.2006)
VIDEO LEVEL control: PUSH (AGC: ON)
CH2 METER SW: VIDEO TRACKING

1. Make self-recording and playing of the color bar signal in the S-VHS mode.
2. Adjust VR3002 so that the video tracking meter's needle points at "0" as shown in Fig. E31

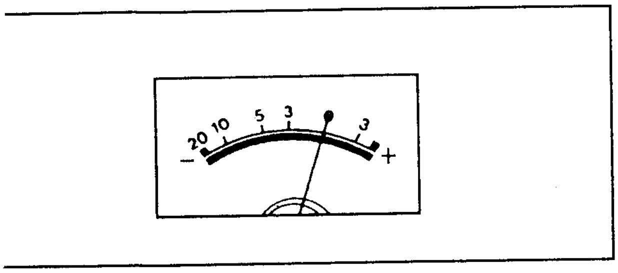


Fig. E31

-4-25. PB OUTPUT Y LEVEL ADJ.

OARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT
ADJ.	VR3301 (E-1)
TAPE	COLOR BAR SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	WAVEFORM MONITOR
SPEC.	1.00Vp-p±0.02Vp-p

SET UP »
IMAGE MODE SELECT: EDIT (MENU NO.2001)
INPUT: LINE
VHS REC: ON (MENU NO.2006)

1. Make self-recording and playing of the color bar signal in the S-VHS mode.

Connect the waveform monitor to VIDEO OUT.

Adjust VR3301 so that the signal level becomes 1.00Vp-p±0.02Vp-p.

-4-26. NORMAL Y LEVEL ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT
ADJ.	VR3302 (E-1)
TAPE	COLOR BAR SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	WAVEFORM MONITOR
SPEC.	1.00Vp-p±0.02Vp-p

NOTE »
This adjustment should be made after "4-4-25. PB OUTPUT Y LEVEL ADJ." is completed. Then, return the VIDEO ODE SW to AUTO.

« SET UP »
IMAGE MODE SELECT: NORM (MENU NO.2001)
IPUT: LINE
IDEO MODE: B/W (MENU NO.2002)

1. Make self-recording and playing of the color bar signal in the S-VHS mode.
2. Connect the waveform monitor to VIDEO OUT.
3. Adjust VR3302 so that the signal level becomes 1.00Vp-p±0.02Vp-p.

4-4-27. CNR Y BALANCE ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3501 (C-1)
ADJ.	VR3508 (C-1)
TAPE	COLOR BAR SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	A = MINIMUM

« SET UP »
IMAGE MODE SELECT: NORM (MENU NO.2001)
VIDEO MODE: B/W (MENU NO.2002)
INPUT: LINE
S-VHS REC: ON (MENU NO.2006)

1. Make self-recording and playing of the color bar signal in the S-VHS mode.
2. Connect the oscilloscope to TP3501.
3. Adjust VR3508 so that the level of "A" (shown in E32) becomes minimum.

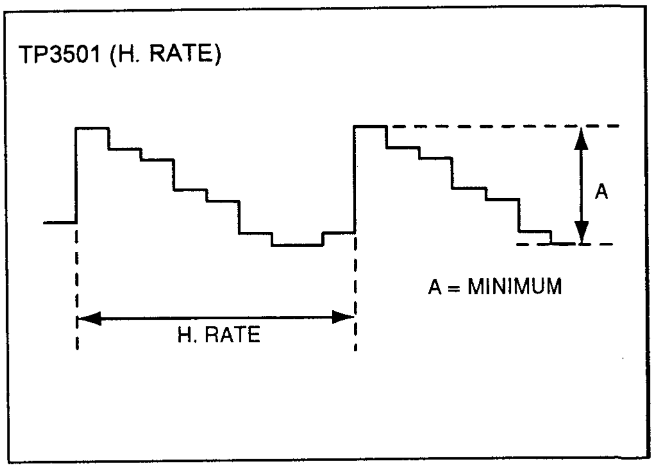


Fig. E32

4-4-28. S-VHS CNR ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3502 (D-1)
ADJ.	VR3509 (C-1), VR3510 (C-1)
TAPE	COLOR BAR SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	A = MINIMUM

« NOTE »

Be sure to make this adjustment after completing the adjustment described in the section "4-4-27. CNR Y BALANCE ADJ.".

« SET UP »

IMAGE MODE SELECT: NORM (MENU NO.2001)
INPUT: LINE
S-VHS REC: ON (MENU NO.2006)
VIDEO MODE: AUTO (MENU NO.2002)

1. Make self-recording and playing of the color bar signal in the S-VHS mode.
2. Connect the oscilloscope to TP3502.
3. Adjust VR3509 and VR3510 so that the level of "A" becomes minimum as shown in Fig. 33.

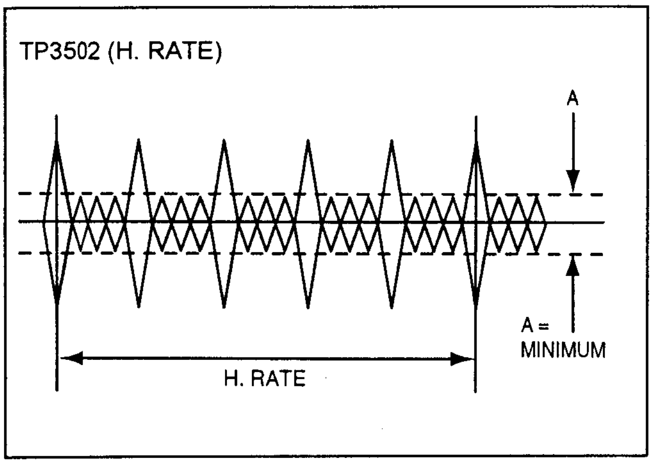


Fig. E33

4-4-29. V V CHROMA LEVEL ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	LINE OUT (75 Ω)
ADJ.	VR3511 (C-1)
TAPE	COLOR BAR SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	WAVEFORM MONITOR
SPEC.	A = 0.61Vp-p±0.03Vp-p (Cyan level)

« SET UP »

IMAGE MODE SELECT: EDIT (MENU NO.2001)
INPUT: LINE
S-VHS REC: ON (MENU NO.2006)
VIDEO MODE: AUTO (MENU NO.2002)

1. Make self-recording and playing of the color bar signal in the S-VHS mode.
2. Connect the waveform monitor to LINE OUT.
3. Adjust VR3511 so that the value of "A" becomes 0.61Vp-p±0.03Vp-p.

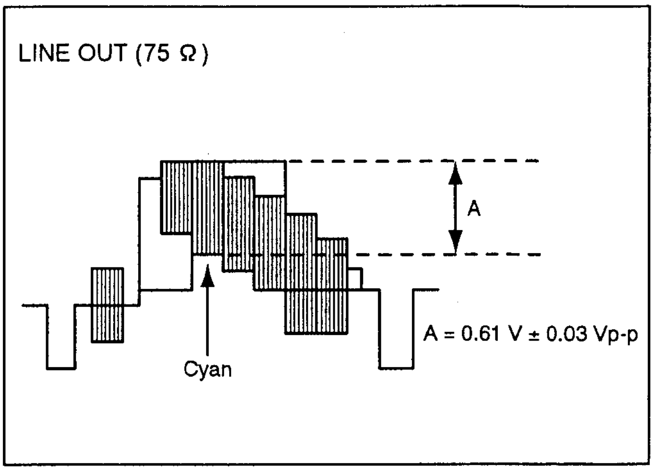


Fig. E34

4-4-30. BURST LEVEL/PHASE ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	LINE OUT (75 Ω)
ADJ.	VR3501 (E-1), VR3502 (F-1)
TAPE	COLOR BAR SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	WAVEFORM MONITOR, VECTORSCOPE
SPEC.	VECTOR PHASE = 0±3°(Magenta), BURST LEVEL = 0.31Vp-p±0.02Vp-p

« SET UP »

S-VHS REC: ON (MENU NO.2006)
TBC: OFF
INPUT: LINE
IMAGE MODE SELECT: EDIT (MENU NO.2001)
VIDEO MODE: AUTO (MENU NO.2002)

1. Make self-recording and playing of the color bar signal in the S-VHS mode.
2. Connect the waveform monitor and vectorscope to the LINE OUT terminal.
3. Adjust the phase of the vectorscope so that the burst signal of the vectorscope becomes 180°.
4. Adjust VR3502 so that the vector on the magenta part of the vectorscope is positioned as shown in Fig. E35.
5. Adjust VR3501 so that the burst level on the waveform monitor becomes 0.31Vp-p±0.02Vp-p.

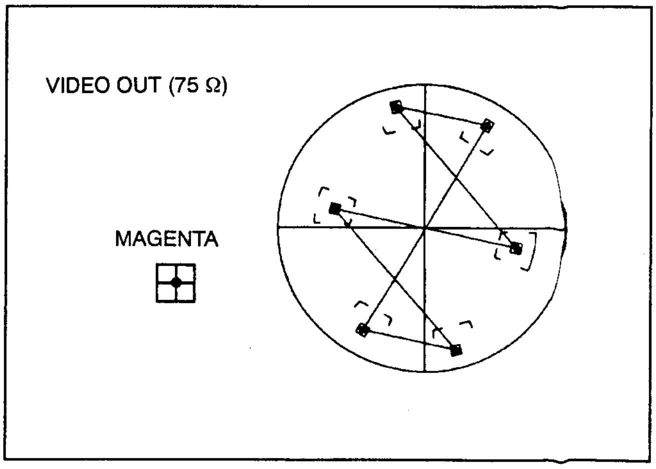


Fig. E35

-31. CAC WHITE BALANCE ADJ.

ARD	VIDEO YC C.B.A. (E6)
TP	LINE OUT (75 Ω)
DJ.	VR3505 (G-1), VR3506 (G-1)
APE	COLOR BAR SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
NPUT	
DE	PLAY
M.EQ	VECTORSCOPE
PEC.	REFER TO FIG. E36.

T UP »
IDEO MODE: AUTO (MENU NO.2002)
IS REC: ON (MENU NO.2006)
IT: LINE
AGE MODE SELECT: NORMAL (MENU NO.2001)
BC: OFF

lake self-recording and playing of the color bar signal in the S-VHS mode.
Connect the vectorscope to the LINE OUT terminal.
djust VR3505 and VR3506 so that the center of the ector matches to the origin of the vectorscope.

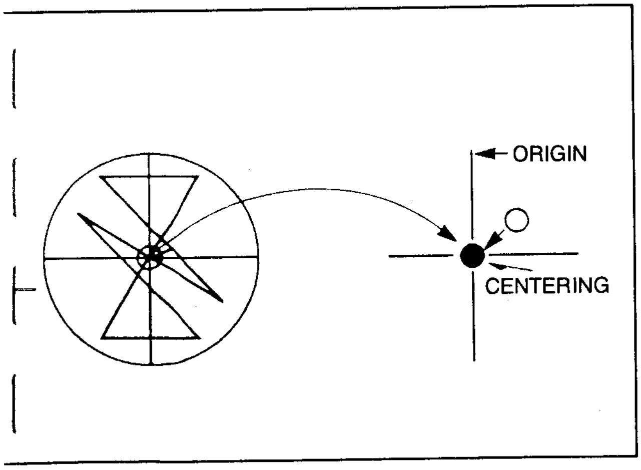


Fig. E36

4-4-32. CAC LEVEL ADJ.

ARD	VIDEO YC C.B.A. (E6)
TP	LINE OUT (75 Ω)
ADJ.	VR3507 (G-1)
TAPE	COLOR BAR SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
PUT	
ODE	PLAY
M.EQ	WAVEFORM MONITOR
PEC.	A = 0.61Vp-p±0.03Vp-p (Cyan)

« NOTE »
e sure to make this adjustment after completing the stment described in the section "4-4-29. V V CHROMA EL ADJ.".

« SET UP »
VIDEO MODE: AUTO (MENU NO.2002)
S-VHS REC: ON (MENU NO.2006)
INPUT: LINE
IMAGE MODE SELECT: NORMAL (MENU NO.2001)
TBC: OFF

1. Make self-recording and playing of the color bar signal in the S-VHS mode.
2. Connect the waveform monitor to LINE OUT.
3. Adjust VR3507 so that the level of "A" becomes 0.61Vp-p±0.03Vp-p.

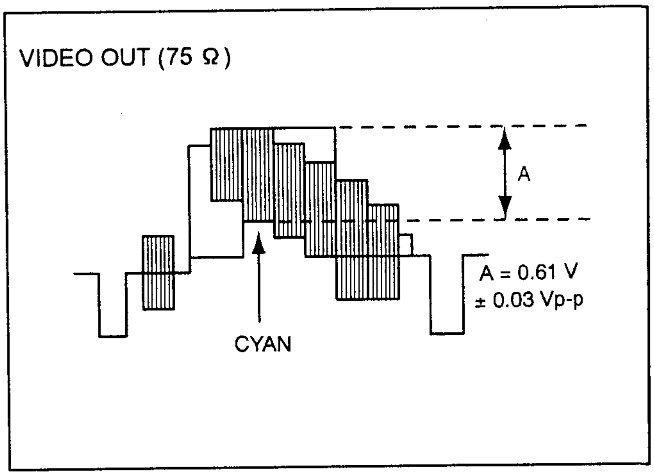


Fig. E37

4-4-33. PB S-VHS EDIT Y/C DELAY ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	LINE OUT
ADJ.	VR3201 (D-1)
TAPE	SIN^2 PULSE & BAR SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	WAVEFORM MONITOR
SPEC.	A = B±2% (REFER TO FIG. E39.)

« SET UP »
IMAGE MODE SELECT: EDIT (MENU NO.2001)
VIDEO MODE: AUTO (MENU NO.2002)
TBC: OFF
S-VHS REC: ON
INPUT: LINE

1. Make self-recording and playing of the SIN^2 PULSE & BAR signal in the S-VHS mode.
2. Connect the waveform monitor to LINE OUT and expand the part "A" as shown in Fig. E38.
3. Adjust VR3201 so that the waveform becomes as shown in Fig. E39.

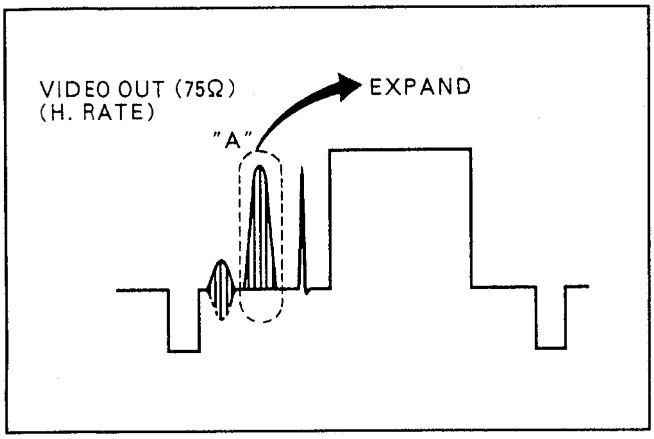


Fig. E38

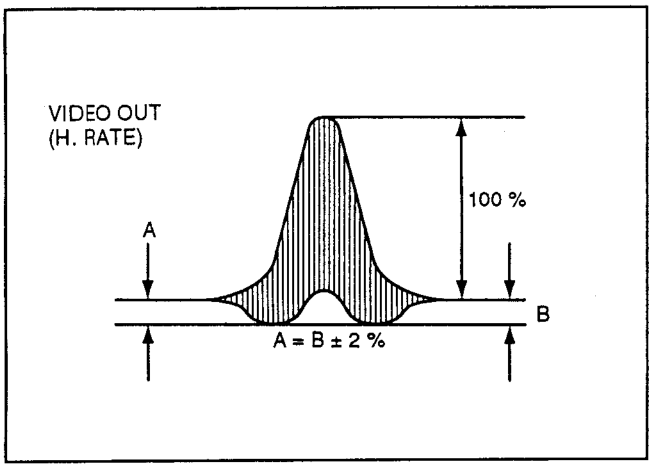


Fig. E39

4-4-34. PB VHS EDIT Y/C DELAY ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	LINE OUT
ADJ.	VR3202 (D-1)
TAPE	SIN^2 PULSE & BAR SIGNAL SELF-RECORDED TAPE (VHS) (LINE)
INPUT	
MODE	PLAY
M.EQ	WAVEFORM MONITOR
SPEC.	A = B±2% (REFER TO FIG. E39.)

« SET UP »
IMAGE MODE SELECT: EDIT (MENU NO.2001)
VIDEO MODE: AUTO (MENU NO.2006)
TBC: OFF
S-VHS REC: ON (MENU NO.2002)

1. Make self-recording and playing of the SIN^2 PULSE & BAR signal in the VHS mode.
2. Connect the waveform monitor to LINE OUT and expand the part "A" as shown in Fig. E38.
3. Adjust VR3202 so that the waveform becomes as shown in Fig. E39.

4-4-35. CAC Y/C DELAY ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	LINE OUT (75 Ω)
ADJ.	VR3504 (F-1)
TAPE	
INPUT	
MODE	PLAY
M.EQ	WAVEFORM MONITOR
SPEC.	A = B±5% (REFER TO FIG. E40.)

« NOTE »
Be sure to make this adjustment after completing the adjustments described in the sections "4-4-33. PB S-VHS EDIT Y/C DELAY ADJ." and "4-4-34. PB VHS EDIT Y/C DELAY ADJ.".

« SET UP »
S-VHS REC: ON (MENU NO.2006)
TBC: OFF
INPUT: LINE
IMAGE MODE SELECT: NORMAL (MENU NO.2001)

1. Make self-recording and playing of the SIN^2 PULSE & BAR signal in the VHS mode.
2. Connect the waveform monitor to LINE OUT and enlarge the part "A" as shown in Fig. E38.
3. Adjust VR3504 so that the waveform becomes as shown in Fig. E40.

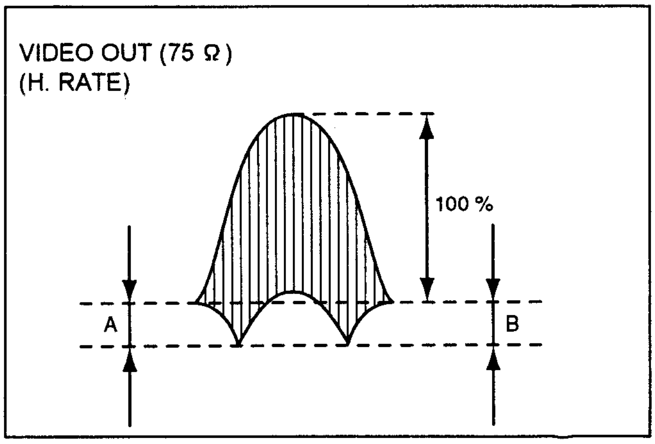


Fig. E40

4-36. S-VHS REC Y/C DELAY ADJ.

BOARD	Y/C REC C.B.A. (E13)
TP	LINE OUT (75 Ω)
ADJ.	VR9301
TAPE	SIN² PULSE & BAR SIGNAL SELF-RECORDED TAPE (S-VHS) (LINE)
INPUT	
MODE	REC
M.EQ	WAVEFORM MONITOR
SPEC.	A = B±2% (REFER TO FIG. E39.)

« NOTE »
Be sure to make this adjustment after completing the adjustments described in the sections "4-4-33. PB S-VHS EDIT Y/C DELAY ADJ." and "4-4-34. PB VHS EDIT Y/C DELAY ADJ.".

« SET UP »
VIDEO MODE: AUTO (MENU NO.2002)
IMAGE MODE SELECT: NORMAL (MENU NO.2001)
S-VHS REC: ON (MENU NO.2006)
TBC: OFF
INPUT: LINE

1. Make self-recording and playing of the SIN² PULSE & BAR signal in the VHS mode.
2. Connect the waveform monitor to LINE OUT and enlarge the part "A" as shown in Fig. E38.
3. If the waveform does not appear as shown in Fig E39, make self-recording again and rotate VR9301 in either direction (clock-wise or counterclockwise).
4. Play the re-recorded segment to check if the waveform appears as shown in Fig. E39.
5. Repeat steps 3 and 4 to adjust the waveform on the segment being played, as shown in Fig. E39..

4-4-37. VHS REC Y/C DELAY ADJ.

BOARD	Y/C REC C.B.A. (E13)
TP	LINE OUT (75 Ω)
ADJ.	VR9302 (B-1)
TAPE	SIN² PULSE & BAR SIGNAL SELF-RECORDED TAPE (VHS) (LINE)
INPUT	
MODE	REC
M.EQ	WAVEFORM MONITOR
SPEC.	A = B±2% (REFER TO FIG. E39.)

« NOTE »
Be sure to make this adjustment after completing the adjustments described in the sections "4-4-33. PB S-VHS EDIT Y/C DELAY ADJ." and "4-4-34. PB VHS EDIT Y/C DELAY ADJ.".

« SET UP »
VIDEO MODE: AUTO (MENU NO.2002)
IMAGE MODE SELECT: NORMAL (MENU NO.2001)
S-VHS REC: OFF (MENU NO.2006)
TBC: OFF
INPUT: LINE

1. Make self-recording and playing of the SIN² PULSE & BAR signal in the VHS mode.
2. Connect the waveform monitor to LINE OUT and enlarge the part "A" as shown in Fig. E38.
3. If the waveform does not appear as shown in Fig E39, make self-recording again and rotate VR9302 in either direction (clock-wise or counterclockwise).
4. Play the re-recorded segment to check if the waveform appears as shown in Fig. E39.
5. Repeat steps 3 and 4 to adjust the waveform on the segment being played, as shown in Fig. E39..

4-4-38. SIMULATED V ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	LINE OUT
ADJ.	VR3501 (E-1)
TAPE	VFM8080HQF ② or VFM8000H2DH
INPUT	
MODE	×2 PLAY
M.EQ	WAVEFORM MONITOR
SPEC.	T = 1.0H±0.25H

« SET UP »
TBC: OFF
SYNC: NORM (MENU NO.1001)
BEAM SERVO: OFF (MENU NO.6005)

1. Connect the waveform monitor to the LINE OUT terminal.
2. Then play the standard tape (VFM8080HQF ② or VFM8000H2DH).
3. Adjust VR3501 so that the "T" position from the V-SYNC of the simulated V becomes 1.0H±0.25H (Fig. E41).

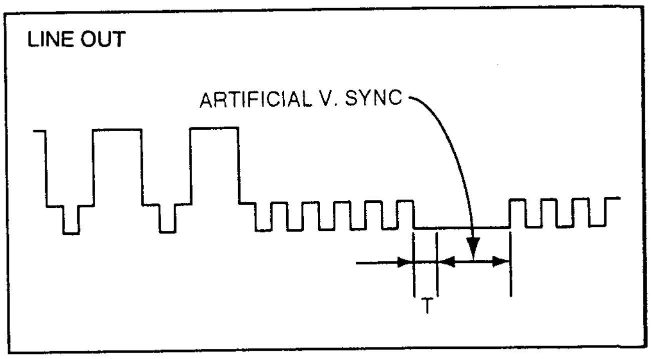


Fig. E41

4-5. TBC SECTION

4-5-1. Y A/D INPUT (1) ADJ.

BOARD	TBC (1) C.B.A (E11)
TP	TP8301 (D-1)
ADJ.	VR8201 (C-1), VR8202 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	LVEL = 1.5V ± 0.05V PEDESTAL D.C = 0.8V ± 0.05V

« SET UP »
VIDEO MODE: COLOR (MENU NO.2002)
PB/EE SELECT: EE (MENU NO.2004)
INPUT: LINE

1. Connect the oscilloscope to TP8301.
2. Adjust VR8202 so that the level becomes 1.5V ± 0.05V as shown in Fig. E42.
3. Adjust VR8201 so that the value of the pedestal D.C section becomes 0.8V±0.05V.

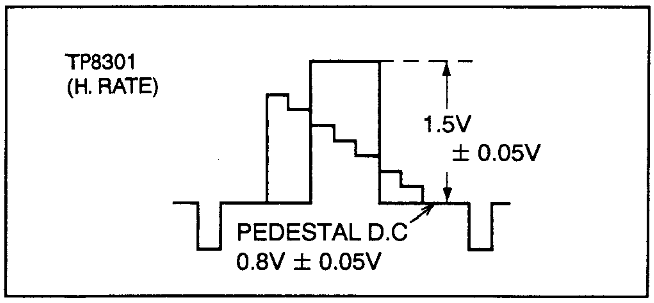


Fig. E42

4-5-2. Y A/D INPUT (2) ADJ.

BOARD	TBC (1) C.B.A (E11)
TP	VIDEO OUT
ADJ.	VR8201 (C-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	0mV±10mV

« SET UP »
TBC CONTROL: CENTER POSITION (OSD)
VIDEO MODE: AUTO (MENU NO.2002)
PB/EE SELECT: EE (MENU NO.2004)
INPUT: LINE
TBC: ON

1. Connect the oscilloscope to the VIDEO OUT terminal.
2. Adjust VR8201 so that the setup level becomes 0mV± 10mV as shown in Fig. E43.
3. Adjust VR8201 so that the value of the pedestal D.C section becomes 0.8V±0.05V.

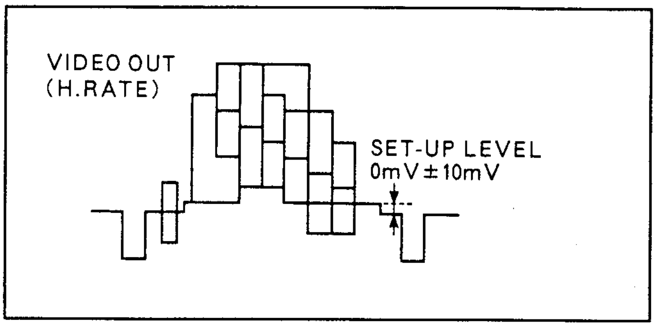


Fig. E43

4-5-3. APC FREE RUN FREQUENCY ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	TP8205 (A-1)
ADJ.	VR8207 (A-1)
TAPE	
INPUT	NO SIGNAL
MODE	EJECT (E-E)
M.EQ	FREQUENCY COUNTER
SPEC.	F = 3,579,545±10Hz

1. Connect the frequency counter to TP8205.
2. Adjust VR8207 so that the reading of the frequency counter becomes 3,579,545±10Hz with no input signal.

4-5-4. C A/D INPUT (1) ADJ.

BOARD	TBC (1) C.B.A (E11)
TP	TP8202 (R) (B-1), TP8203 (B) (A-1)
ADJ.	VR8203 (C-REF) (B-1), VR8204 (R-Y) (B-1), VR8205 (B-Y) (A-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	A = 2.1Vp-p±0.05Vp-p, B = 1.5Vp-p±0.05Vp-p, PEDESTAL D.C = 3.5V±0.05V

« SET UP »
VIDEO MODE: AUTO (MENU NO.2002)
PB/EE SELECT: EE (MENU NO.2004)
INPUT: LINE
TBC: ON

1. Connect the oscilloscope to TP8202.
2. Adjust VR8204 so that the level A becomes 2.1Vp-p± 0.05Vp-p as shown in Fig. E45.

3. Adjust VR8203 so that the Pedestal D.C becomes 3.5Vp-p±0.05Vp-p as shown in Fig. E45.
4. Connect the oscilloscope to TP8203.
5. Adjust VR8205 so that the level B becomes 1.5Vp-p± 0.05Vp-p.

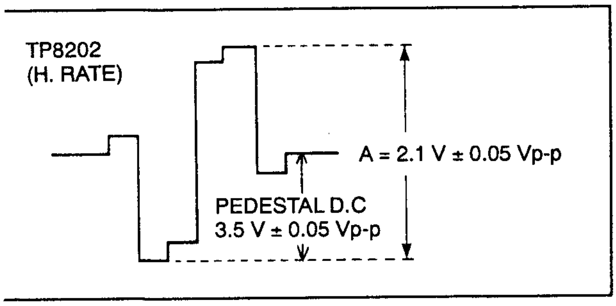


Fig. E44

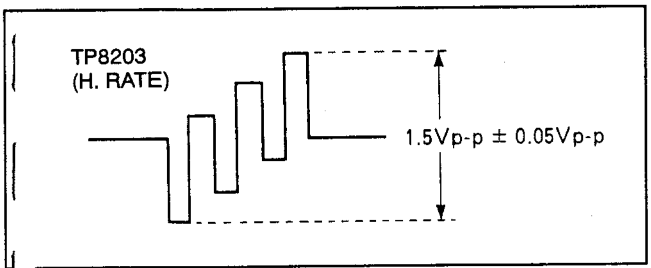


Fig. E45

-5-5. C A/D INPUT (2) ADJ.

BOARD	TBC (1) C.B.A (E11)
TP	TP8302 (R) (D-1), TP8303 (B) (D-1)
ADJ.	VR8203 (C-REF) (B-1), VR8302 (B-D) (C-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	A = 10mVp-p or less

« SET UP »
VIDEO MODE: AUTO (MENU NO.2002)
/EE SELECT: EE (MENU NO.2004)
PUT: LINE
TBC: ON

Connect the oscilloscope to TP8302.
2. Adjust VR8203 so that the level of the part shown in Fig. E46 becomes the minimum value (10mVp-p or less).

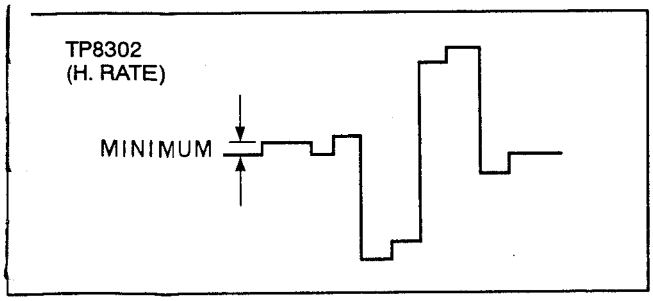


Fig. E46

3. Connect the oscilloscope to VR8303.
4. Adjust VR8302 so that the level of the part shown in Fig. E47 becomes the minimum value (10mVp-p or less).

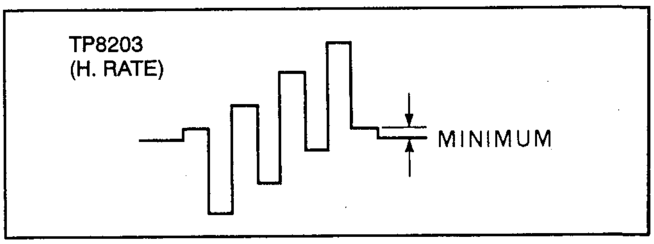


Fig. E47

4-5-6. Y D/A REFERENCE VOLTAGE ADJ.

BOARD	TBC (1) C.B.A (E11)
TP	TP8052 (G-1)
ADJ.	VR8001 (F-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	DIGITAL VOLTMETER
SPEC.	4.1V±0.05V

« SET UP »
INPUT: LINE

1. Input the color bar signal and connect the digital voltmeter to TP8052.
2. Adjust VR8001 so that the reading of the digital voltmeter becomes 4.1V±005V.

4-5-7. C D/A REFERENCE VOLTAGE ADJ.

BOARD	TBC (1) C.B.A (E11)
TP	TP8051 (F-1)
ADJ.	VR8002 (F-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	DIGITAL VOLTMETER
SPEC.	3.5V±0.05V

« SET UP »
INPUT: LINE

1. Input the color bar signal and connect the digital voltmeter to TP8051.
2. Adjust VR8002 so that the reading of the digital voltmeter becomes 3.5V±005V.

4-5-8. DLRCK PHASE ADJ.

BOARD	TBC (1) C.B.A (E11)
TP	TP8401 (E-1), TP8402 (E-1), TP8501 (E-1)
ADJ.	SW8401 (E-1) (R8434, R8432)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	DIGITAL VOLTMETER
SPEC.	A = 8ns or less

« SET UP »
INPUT: LINE

1. Input the color bar signal and connect the oscilloscope's CH1 to TP8401 and CH2 to TP8402.
2. Adjust SW8401 so that the first transition edge becomes "A" whose level is 8ns or less than the center position of the "H" level of TP8402.

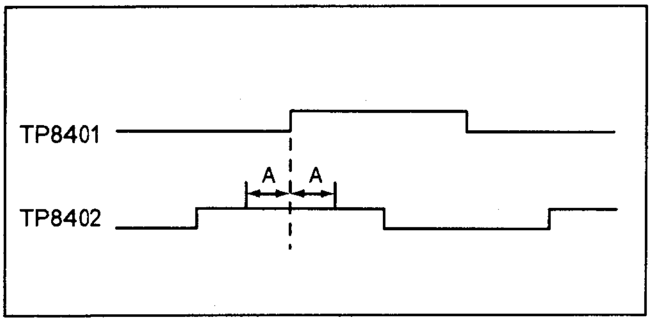


Fig. E48

3. Connect the oscilloscope's CH2 to TP8501. (CH1 should remain connected to TP8401.)
4. If the phase difference "B" (as shown in Fig. E49) between the first transition edges of TP8401 and TP8501 is greater than 45ns, remove R8434 and add the 0 Ω resistance (ERJ6GEYJ0R00) to R8432.

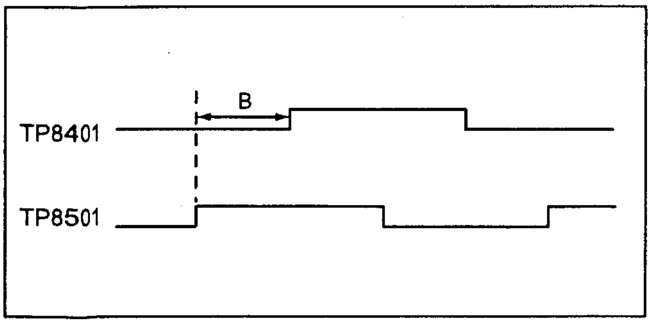


Fig. E49

4-5-9. S/H ADJ.

BOARD	TBC (2) C.B.A (E11)
TP	TP8603 (A-4), TP8604 (B-1)
ADJ.	VR8601 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF IN)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	A = B±10%

« SET UP »
INPUT: LINE

1. Input the color bar signal into REF IN>
2. Connect CH1 of the oscilloscope to TP8603 and CH2 to TP8604 respectively.
3. Adjust VR8601 so that the S/H pulse (TP8604) is positioned as shown in Fig. E50.

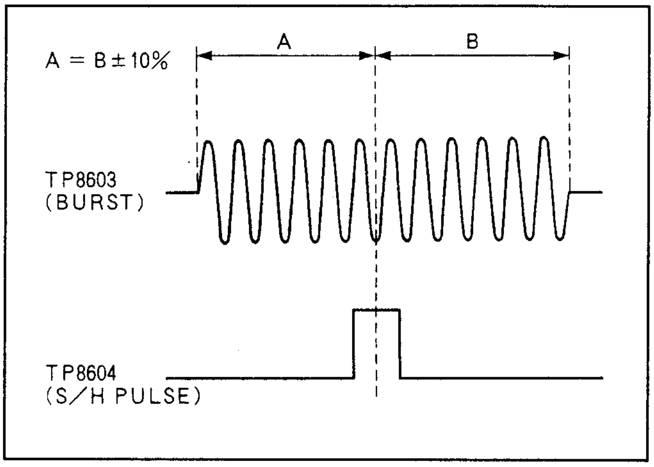


Fig. E50

4-5-10. 14.3MHz VCO ADJ.

BOARD	TBC (2) C.B.A (E12)
TP	TP8609 (C-2)
ADJ.	VC8671 (A-2)
TAPE	
INPUT	NO SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	FREQUENCY COUNTER
SPEC.	f = 3,579,545Hz±5Hz

« SET UP »
INPUT: LINE

1. Connect the frequency counter to TP8609.
2. Adjust VC8671 so that the frequency becomes 3,579,545Hz.±5Hz with no input signal.

5-11. REF. SCH ADJ.

OARD	TBC (2) C.B.A (E12)
TP	TP8609 (C-2), TP8610 (C-2)
ADJ.	VR8603 (B-1)
APE	
NPUT	COLOR BAR SIGNAL (REF IN)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
PEC.	A = B±10%

« NOTE »
Make sure that the SCH of the input color bar signal (REF & LINE) is “0”.

« SET UP »
INPUT: LINE

1. Connect CH1 of the oscilloscope to TP8609 and CH2 to TP8610 respectively.
2. Adjust VR8603 so that the first transition edge of the H pulse is positioned as shown in Fig. E51.

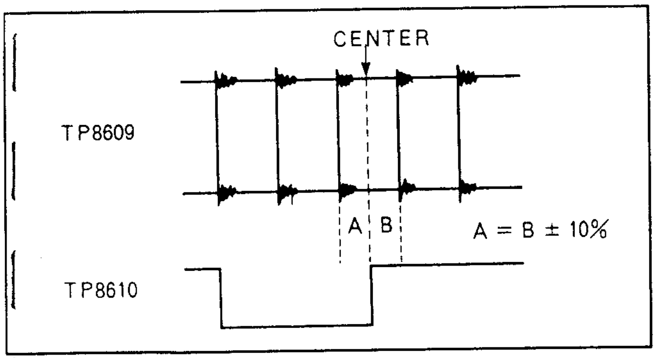


Fig. E51

4-5-12. Y OUTPUT LEVEL ADJ.

BOARD	TBC (2) C.B.A (E12)
TP	VIDEO OUT (75 Ω)
ADJ.	VR8804 (F-2)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	0.714V±0.05V

« NOTE »
The VIDEO OUT terminal should be 75 Ω terminated.

SET UP »
TBC: ON
TBC CONTROL: CENTER POSITION (OSD)
DEO MODE: AUTO (MENU NO.2002)
DEO LEVEL control: PUSH (AGC: ON)
INPUT: LINE

1. Connect the oscilloscope to the VIDEO OUT terminal.
2. Adjust VR8804 so that the Y level becomes 0.714V± 0.05V as shown in Fig. E52.

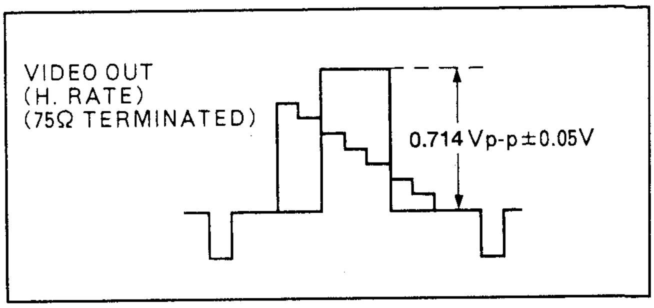


Fig. E52

4-5-13. SYNC LEVEL ADJ.

« NOTE »
Make this adjustment after completing the adjustment described in the section “4-5-12. Y OUTPUT LEVEL ADJ.”. The VIDEO OUT terminal should be 75 Ω terminated.

BOARD	TBC (2) C.B.A (E12)
TP	VIDEO OUT (75 Ω)
ADJ.	VR8803 (F-2)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	0.286V±0.03V

« SET UP »
TBC: ON
TBC CONTROL: CENTER POSITION (OSD)
VIDEO MODE: AUTO (MENU NO.2002)
VIDEO LEVEL control: PUSH (AGC: ON)
INPUT: LINE

1. Connect the oscilloscope to the VIDEO OUT terminal.
2. Adjust VR8803 so that the SYNC level becomes 0.286V ±0.03V as shown in Fig. E53.

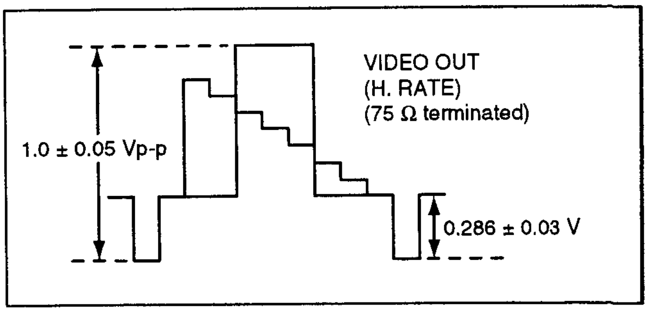


Fig. E53

4-5-14. CARRIER BALANCE ADJ.

BOARD	TBC (2) C.B.A (E12)
TP	VIDEO OUT (75 Ω)
ADJ.	VR8807 (E-1), VR8808 (F-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF IN)
MODE	EJECT (E-E)
M.EQ	VECTORSCOPE
SPEC.	REFER TO FIG. E54.

« NOTE »

The VIDEO OUT terminal should be 75 Ω terminated.

« SET UP »

TBC: ON
TBC CONTROL: CENTER POSITION (OSD)
VIDEO MODE: AUTO (MENU NO.2002)
INPUT: LINE
VIDEO LEVEL control: PUSH (AGC: ON)

1. Connect the vectorscope to the VIDEO OUT terminal and adjust VR8807 and VR8808 so that the vector point is positioned center as shown in Fig. E54.

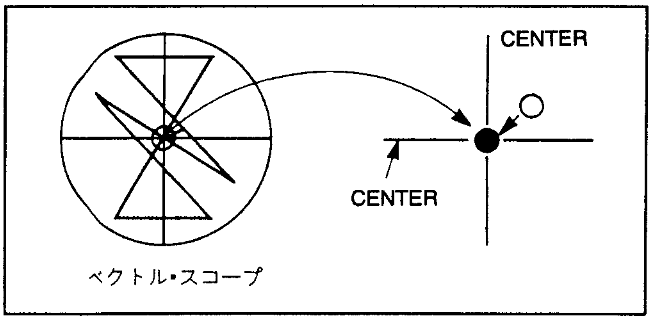


Fig. E54

4-5-15. BURST LEVEL ADJ.

BOARD	TBC (2) C.B.A (E12)
TP	VIDEO OUT (75 Ω)
ADJ.	VR8806 (E-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF IN)
MODE	EJECT (E-E)
M.EQ	WAVEFORM MONITOR
SPEC.	A = 0.286V+0/-5%

« NOTE »

Be sure to make this adjustment after completing the adjustment described in the section "4-5-14. CARRIER BALANCE ADJ.".
The VIDEO OUT terminal should be 75 Ω terminated.

« SET UP »

TBC: ON
TBC CONTROL: CENTER POSITION (OSD)
VIDEO MODE: AUTO (MENU NO.2002)
INPUT: LINE
VIDEO LEVEL control: PUSH (AGC: ON)

1. Connect the waveform monitor to the VIDEO OUT terminal.
2. Adjust VR8806 so that the center of the burst signal becomes 0.286V+0/-5% as shown in Fig. E55.

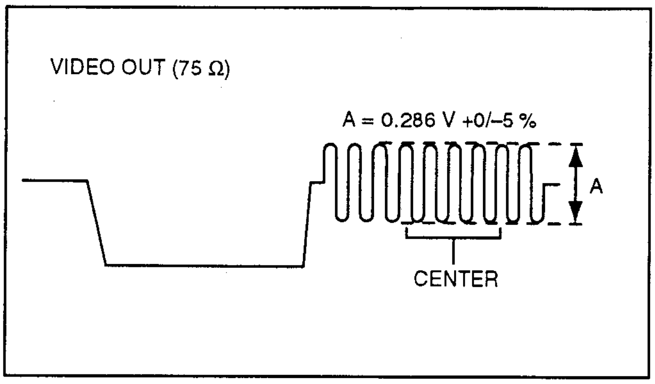


Fig. E55

4-5-16. CHROMA VECTOR BALANCE ADJ.

BOARD	TBC (1) (E11), (2) (E12) C.B.A
TP	VIDEO OUT (75 Ω)
ADJ.	VR8801 (PR) (E-1), VR8802 (PB) (E-1), VR8815 (QUAD) (D-1), VR8206 (OUT-BIAS) (A-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF IN)
MODE	EJECT (E-E)
M.EQ	VECTORSCOPE
SPEC.	REFER TO FIG. E56.

« NOTE »

The VIDEO OUT terminal should be 75 Ω terminated.

« SET UP »

TBC: ON
TBC CONTROL: CENTER POSITION (OSD)
VIDEO MODE: AUTO (MENU NO.2002)
INPUT: LINE
VIDEO LEVEL control: PUSH (AGC: ON)

1. Connect the vectorscope to the VIDEO OUT terminal.
2. Adjust the "PHASE" of the vectorscope so that each vector is positioned closely to the position shown in Fig. E56.
3. Adjust VR8801, VR8802, VR8815, and VR8206 so that all vectors except the burst phase can be positioned within the [┼] area (shown in Fig. E56 below).

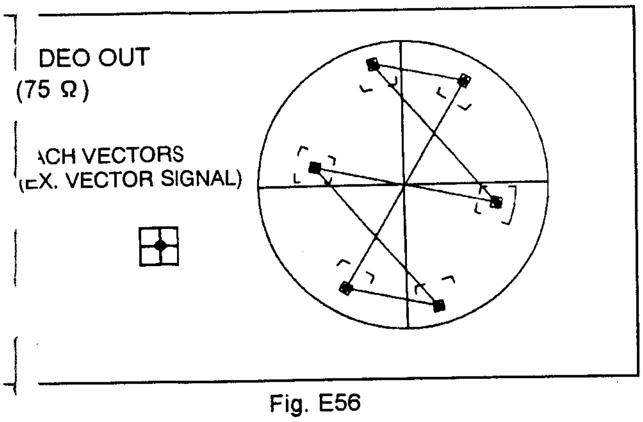

DEO OUT
(75 Ω)
CH VECTORS
EX. VECTOR SIGNAL)

Fig. E56

5-17. BURST PHASE ADJ.

ARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75 Ω)
ADJ.	VR8814 (D-1)
APE	
PUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
.EQ	VECTORSCOPE
PEC.	REFER TO FIG. E57.

NOTE »

VIDEO OUT terminal should be 75 Ω terminated.

« SET UP »

: ON
CONTROL: CENTER POSITION (OSD)
DEO MODE: AUTO (MENU NO.2002)
INPUT: LINE
EO LEVEL control: PUSH (AGC: ON)

1. Connect the vectorscope to the VIDEO OUT terminal.
2. Adjust the "PHASE" of the vectorscope so that the burst signal becomes 180° as shown in Fig. E57.
3. Adjust VR8814 so that all vectors can be positioned within the [┼] area (shown in Fig. E57 below).

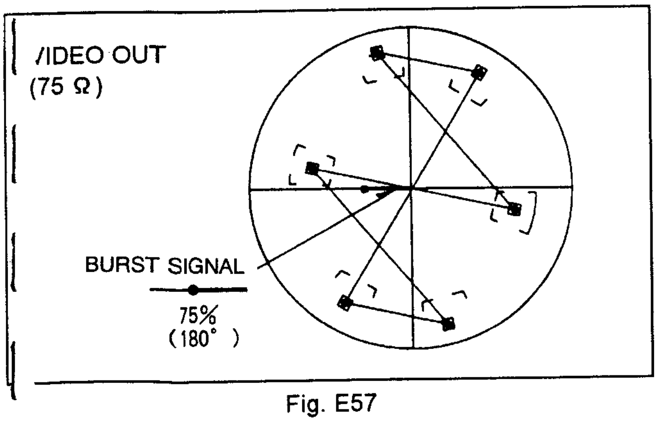

IDEO OUT
(75 Ω)
BURST SIGNAL
75%
(180°)

Fig. E57

4-5-18. SCH PHASE ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75 Ω)
ADJ.	SW8701 (C-1), VR8602 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF, LINE)
MODE	EJECT (E-E)
M.EQ	SCH METER
SPEC.	0°±2°

« NOTE »

The VIDEO OUT terminal should be 75 Ω terminated.
Make sure that the SCH of the color bar signal (REF & LINE) is "0°".
Set the trigger of the SCH meter to the "EXT" position.

« SET UP »

TBC: ON
TBC CONTROL: CENTER POSITION (OSD)
VIDEO MODE: AUTO (MENU NO.2002)
INPUT: LINE
VIDEO LEVEL control: PUSH (AGC: ON)

1. Connect the SCH meter as shown in Fig. E58.
2. Make a coarse adjustment with SW8701 so that the phase of SCH becomes 0°±2°, and then adjust it with VR8602 as shown in Fig E59 below.

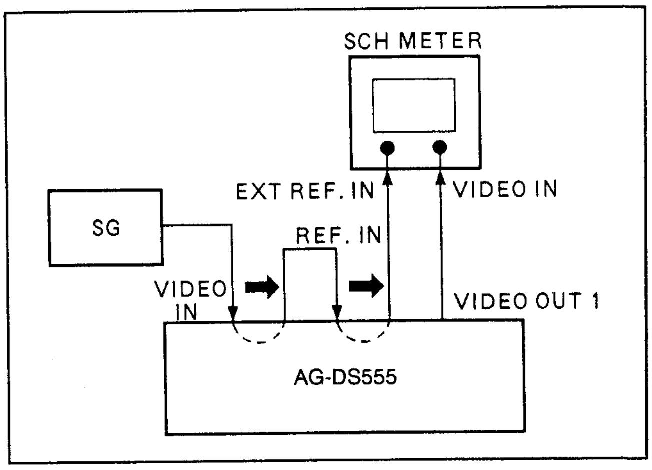

SCH METER
EXT REF. IN
VIDEO IN
SG
REF. IN
VIDEO IN
VIDEO OUT 1
AG-DS555

Fig. E58

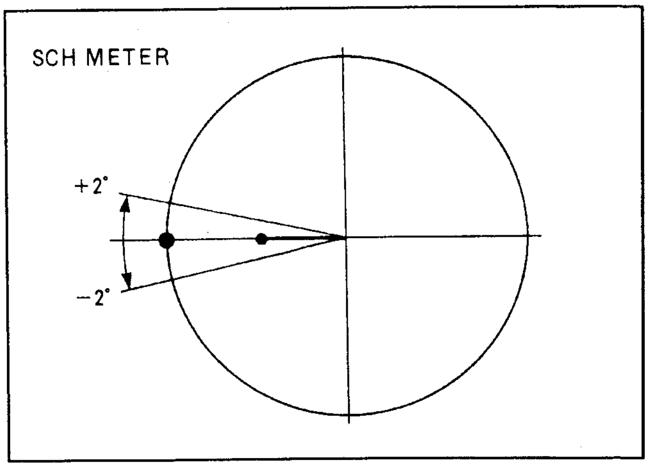

SCH METER
+2°
−2°

Fig. E59

4-5-19. SYSTEM H PHASE ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	REF VIDEO, VIDEO OUT (75 Ω)
ADJ.	VR8701 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF, LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG E62.

« NOTE »

The VIDEO OUT terminal should be 75 Ω terminated.
Make sure that the SCH of the color bar signal (REF) is "0".

« SET UP »

TBC: ON
VIDEO MODE: AUTO (MENU NO.2002)
TBC CONTROL (SYSTEM H PHASE): CENTER (OSD)
INPUT: LINE
VIDEO LEVEL control: PUSH (AGC: ON)

1. Connect the oscilloscope as shown in Fig. E60.

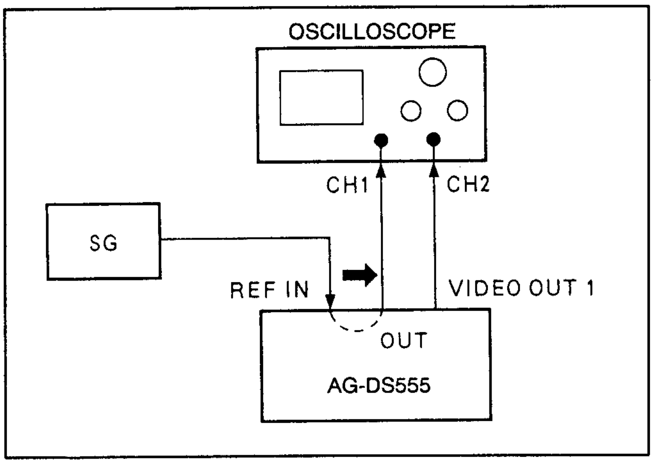

OSCILLOSCOPE
CH1
CH2
SG
REF IN
VIDEO OUT 1
OUT
AG-DS555

Fig. E60

2. As shown in Fig. E61, expand the H. SYNC signal area.

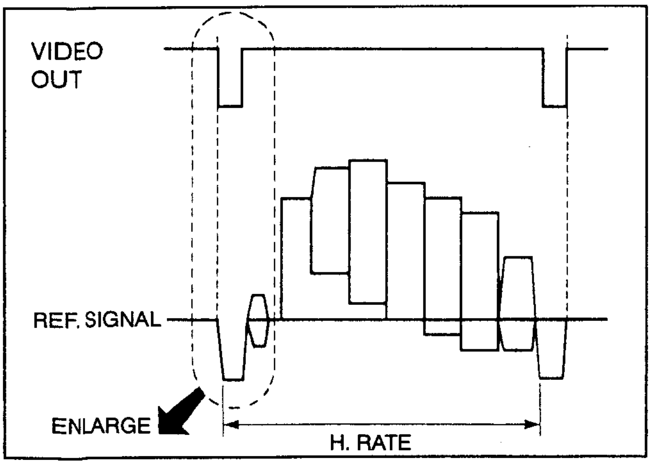

VIDEO OUT
REF. SIGNAL
ENLARGE
H. RATE

Fig. E61

3. Adjust VR8701 so that these signals are in the same H phase.

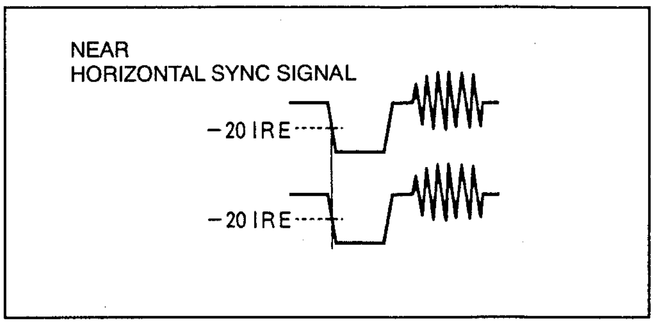

NEAR
HORIZONTAL SYNC SIGNAL
−20 IRE
−20 IRE

Fig. E62

4-5-20. Y/C TIMING ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	VIDEO OUT (75 Ω)
ADJ.	VR8152 (D-1)
TAPE	
INPUT	SIN^2 PULSE & BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	WAVEFORM MONITOR
SPEC.	A = B±3%

« NOTE »

The VIDEO OUT terminal should be 75 Ω terminated.

« SET UP »

TBC: ON
TBC CONTROL: CENTER POSITION
VIDEO MODE: AUTO (MENU NO.2002)
INPUT: LINE
VIDEO LEVEL control: PUSH (AGC: ON)

1. Connect the waveform monitor to the VIDEO OUT terminal and expand the part "A" as shown in Fig. E63.
2. Adjust VR8152 so that the waveform shown in Fig. E64 is displayed.

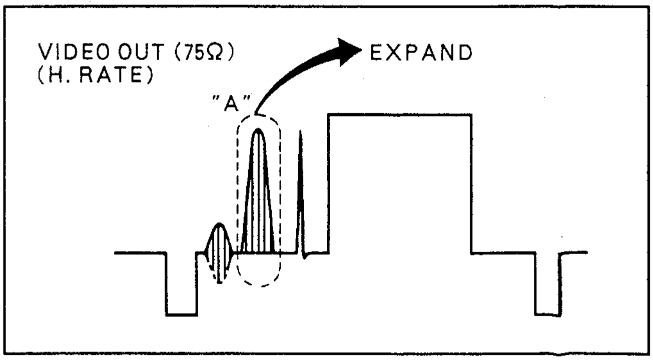

VIDEO OUT (75Ω)
(H. RATE)
EXPAND
"A"

Fig. E63

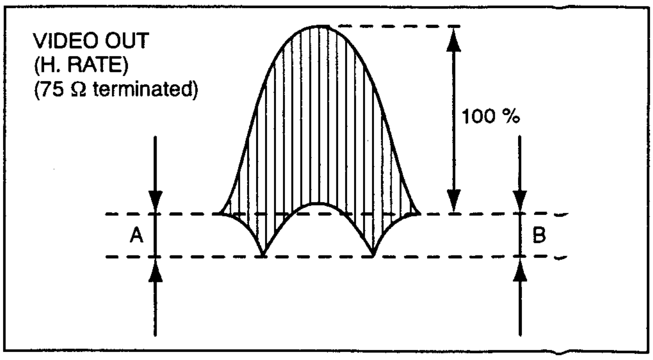

VIDEO OUT
(H. RATE)
(75 Ω terminated)
100 %
A
B

Fig. E64

5-21. VIDEO PHASE ADJ.

OARD	TBC (1) C.B.A. (E11)
TP	VIDEO OUT (75 Ω)
ADJ.	VR8151 (D-1)
APE	
NPUT	SIN^2 PULSE & BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
PEC.	0±0.1μs

« NOTE »

T VIDEO OUT terminal should be 75 Ω terminated. B sure to make this adjustment after completing the adjustment of the "TBC (2) C.B.A.".

« ET UP »

T : ON
VIDEO MODE: AUTO (MENU NO.2002)
INPUT: LINE
T C CONTROL: CENTER POSITION (OSD)
V EO LEVEL control: PUSH (AGC: ON)

1. Connect the SG, oscilloscope as shown in Fig. E65.
2. Trigger the oscilloscope with CH1 (VIDEO signal).
3. Adjust VR8151 so that the phase difference of "A" shown in Fig. E66 becomes 0±0.1μs at the first transition when the TBC switch on the lower front panel is turned on and off.

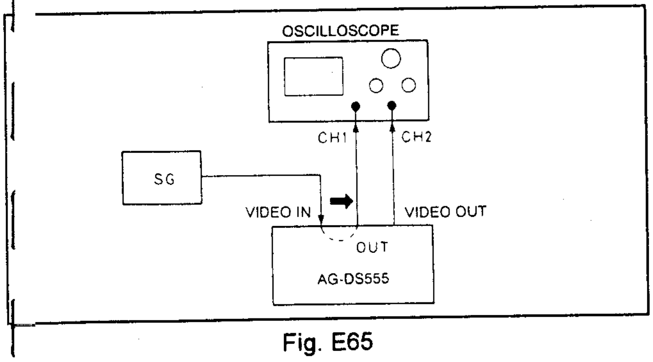


Fig. E65

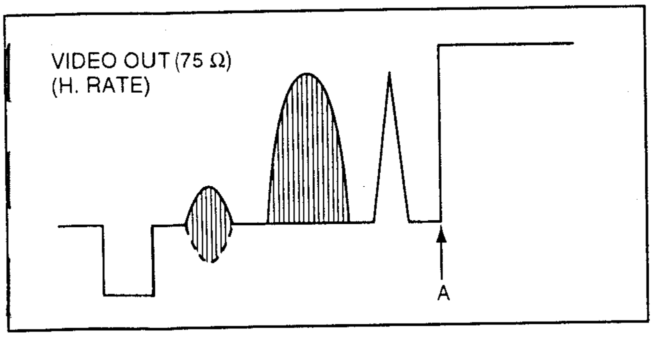


Fig. E66

4-5-22. BURST POSITION ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75 Ω)
ADJ.	VR8805 (D-1)
TAPE	
INPUT	SIN^2 PULSE & BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	WAVEFORM MONITOR
SPEC.	5.3 μs ±0.1 μs

« NOTE »

The VIDEO OUT terminal should be 75 Ω terminated.

« SET UP »

TBC: ON
TBC CONTROL: CENTER POSITION (OSD)
VIDEO MODE: AUTO (MENU NO.2002)
INPUT: LINE
VIDEO LEVEL control: PUSH (AGC: ON)

1. Connect the waveform monitor to VIDEO OUT.
2. Adjust VR8805 so that the period between the down edge of H. SYNC signal and the starting point of the burst signal becomes 5.3 μs ±0.1 μs.

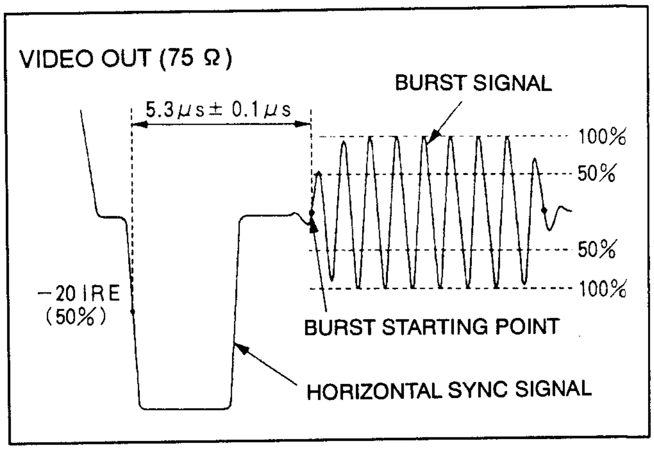


Fig. E67

4-5-23. SYSTEM SC ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75 Ω)
ADJ.	VR8671 (A-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF, LINE)
MODE	EJECT (E-E)
M.EQ	SCH METER
SPEC.	0°±2°

« NOTE »

The VIDEO OUT terminal should be 75 Ω terminated.

« SET UP »

TBC: ON
TBC CONTROL: CENTER POSITION (OSD)
VIDEO MODE: AUTO (MENU NO.2002)
INPUT: LINE
VIDEO LEVEL control: PUSH (AGC: ON)

1. Connect the SCH meter as shown in Fig. E58.
2. Adjust VR8671 so that the SYSTEM SC phase becomes 0°±2° as shown in Fig. E59.
3. If you cannot adjust it, move the TBC CONTROL (SYSTEM SC COARSE) and try to adjust VR8671 again.

4-6. AUDIO SECTION

Unless otherwise specified, the following connections should be used to check the I/O levels by using the AUDIO IN/OUT jacks (XLR) as shown in Fig. E68.

Connect the AG-DS555 and Audio Meter (VTVM or DVM) in parallel as shown in Fig E69 when you check the level of input signal.

Set the AUDIO OUTPUT LEVEL switch located on the AUDIO 2 C.B.A. (C-1) to the center position (or 0dB) normally for adjustment.

The VTVM or audio meter can be substituted for the digital voltmeter.

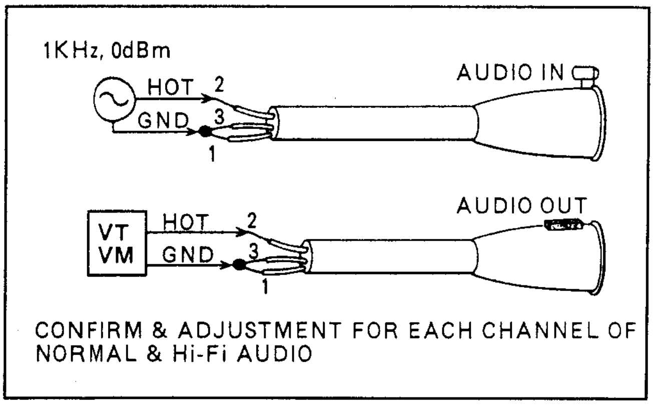

1KHz, 0dBm
HOT 2
GND 3
1
AUDIO IN
VT VM
HOT 2
GND 3
1
AUDIO OUT
CONFIRM & ADJUSTMENT FOR EACH CHANNEL OF NORMAL & Hi-Fi AUDIO

Fig. E68

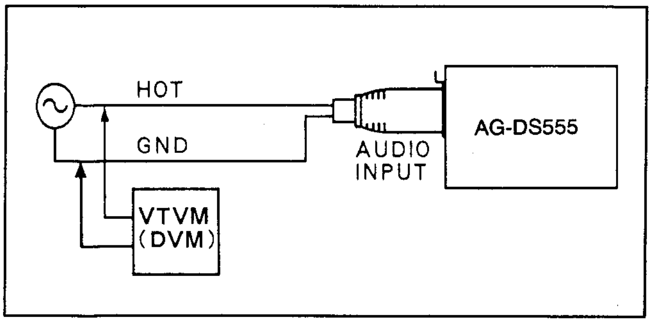


Fig. E69

4-6-1. NORMAL AUDIO INPUT LEVEL ADJ.

BOARD	AUDIO (1) C.B.A (E7)
TP	NORM/Hi-Fi AUDIO OUT (CH1/CH2)
ADJ.	VR40011 (CH1) (E-1) VR40012 (CH2) (E-1)
TAPE	
INPUT	1kHz, 0dBm SINE WAVE
MODE	EJECT (E-E)
M.EQ	DIGITAL VOLTMETER
SPEC.	0dBm±0.2dBm (0.793Vrms - 0.757Vrms)

« SET UP »

S-VHS REC: OFF (MENU NO.2006)
DOLBY NR: OFF (MENU NO.3001)
AUDIO LIMITER: OFF (MENU NO.3002)
AUDIO OUT SELECT SW: NORM
INPUT AUDIO LEVEL SW (NORM/Hi-Fi): 0dBs
OUTPUT AUDIO LEVEL SW: 0dBs
CH1 REC: CH1 (MENU NO.3005)
AUDIO CH2: AUDIO (MENU NO.3006)
NROMAL AUDIO (CH1/2) LEVEL CONTROL: CENTER

1. Input the sine wave signal of 1kHz, 0dBm into the NORM/Hi-Fi AUDIO IN (CH1 & CH2) terminal.
2. Adjust VR40011 (CH1) and VR40012 (CH2) so that the level becomes 0dBm±0.2dBm.

4-6-2. HI-FI AUDIO INPUT ADJ.

BOARD	AUDIO (2) C.B.A (E8)
TP	NORM/Hi-Fi AUDIO OUT (CH1/CH2)
ADJ.	VR41008 (CH1) (D-1) VR41009 (CH2) (E-1)
TAPE	
INPUT	1kHz, 0dBm SINE WAVE
MODE	EJECT (E-E)
M.EQ	DIGITAL VOLTMETER
SPEC.	0dBm±0.2dBm (0.793Vrms - 0.757Vrms)

« SET UP »

S-VHS REC: OFF (MENU NO.2006)
Hi-Fi INPUT SELECT: Hi-Fi INPUT (MENU NO.3004)
INPUT AUDIO LEVEL SW (Hi-Fi): 0dBs
OUTPUT AUDIO LEVEL SW: 0dBs
NROMAL AUDIO (CH1/2) LEVEL CONTROL: CENTER

1. Input the sine wave signal of 1kHz, 0dBm into the NORM/Hi-Fi AUDIO IN (CH1 & CH2) terminal.
2. Adjust VR41008 (CH1) and VR41009 (CH2) so that the level becomes 0dBm±0.2dBm.

4-6-3. AUDIO JACK INPUT ADJ.

BOARD	REAR AMP C.B.A (E28)
TP	NORM/Hi-Fi AUDIO OUT (CH1/CH2) Hi-Fi AUDIO OUT (CH1, CH2)
ADJ.	NOR : VR4007 (CH1) (C-9) VR4009 (CH2) (C-10) Hi-Fi: VR4005 (CH1) (C-10), VR4006 (CH2) (C-11)
TAPE	
INPUT	1kHz, 0dBm SINE WAVE
MODE	EJECT (E-E)
M.EQ	DIGITAL VOLTMETER
SPEC.	68mVrms or less

« NOTE »

Be sure to make this adjustment after completing the adjustments described in the sections "4-6-1. NORMAL AUDIO INPUT LEVEL ADJ." and "4-6-2. Hi-Fi AUDIO INPUT ADJ.".

ET UP »
.BY NR: OFF (MENU NO.3001)
UDIO LIMITER: OFF (MENU NO.3002)
H1 REC: CH1 (MENU NO.3005)
IO CH2: AUDIO (MENU NO.3006)
UT AUDIO LEVEL SW (NORM/Hi-Fi): 0dBs
ROMAL AUDIO (CH1/2) LEVEL CONTROL: CENTER

nput the sine wave signal of 1kHz, 0dBm into the NORM/Hi-Fi AUDIO IN (CH1 & CH2) terminal.
2. Connect the digital voltmeter to the NORM/Hi-Fi AUDIO OUT (CH1 & CH2) terminal as shown Fig. E70.
3. Adjust VR4007 (CH1) and VR4008 (CH2) so that the level becomes minimum (68mVrms or less).
4. Connect the digital voltmeter to the Hi-Fi AUDIO OUT (CH1 & CH2) terminal as shown Fig. E70.
5. Adjust VR4005 (CH1) and VR4006 (CH2) so that the level becomes minimum (68mVrms or less).
6. After VR4007 (CH1) and/or VR4008 (CH2) are moved, make the adjustment described in the section "4-6-1. NORMAL AUDIO INPUT LEVEL ADJ." again. If VR4005 (CH1) and VR4006 (CH2) readjust VR4008 (CH1) and/or VR4009 (CH2) are moved, make the adjustment described in the section "4-6-2. Hi-Fi AUDIO INPUT ADJ.".

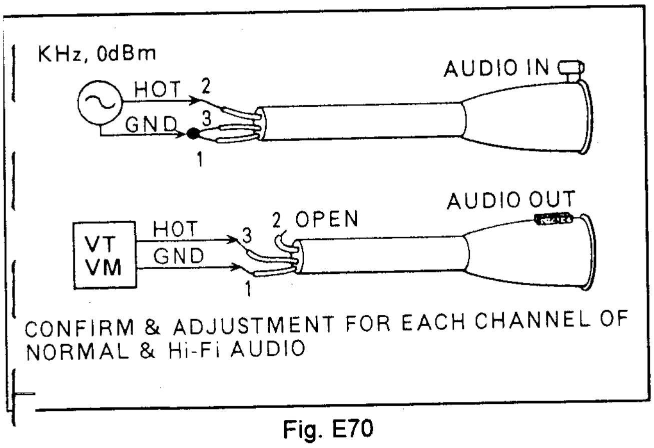

KHz, 0dBm
HOT
GND
2
3
1
AUDIO IN
AUDIO OUT
VT
VM
HOT
GND
3
2 OPEN
1
CONFIRM & ADJUSTMENT FOR EACH CHANNEL OF NORMAL & Hi-Fi AUDIO

Fig. E70

-6-4. AUDIO LEVEL METER ADJ.

BOARD	AUDIO (2) C.B.A (E8)
TP	AUDIO METER
ADJ.	VR41021 (CH1) (B-1) VR41013 (CH2) (B-1)
TAPE	
INPUT	1kHz, 0dBm SINE WAVE
MODE	EJECT (E-E)
M.EQ	AUDIO METER (CH1, CH2)
SPEC.	0±0.5

NOTE »
e sure to make this adjustment after completing the adjustments described in the sections "4-6-1. NORMAL UDIO INPUT LEVEL ADJ.".

« SET UP »
S-VHS REC: OFF (MENU NO.2006)
DOLBY NR: OFF (MENU NO.3001)
AUDIO LIMITER: OFF (MENU NO.3002)
Hi-Fi REC: ON (MENU NO.3003)
CH1 REC: CH1 (MENU NO.3005)
AUDIO CH2: AUDIO (MENU NO.3006)
CH2 METER: AUDIO CH2
AUDIO METER SW: MORM
INPUT AUDIO LEVEL SW (NORM/Hi-Fi): 0dBs
NROMAL AUDIO (CH1/2) LEVEL CONTROL: CENTER

1. Input the sine wave signal of 1kHz, 0dBm into the NORM/Hi-Fi AUDIO IN (CH1 & CH2) terminal.
2. Adjust VR41012 (CH1) and VR41013 (CH2) so that the needle of the Audio (CH1 & CH2) Level Meter points at "0 ±0.5" as shown in Fig. E71.

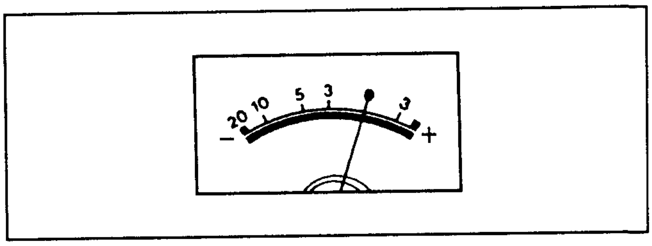


Fig. E71

4-6-5. NORMAL AUDIO PB FREQUENCY RESPONSE ADJ.

BOARD	AUDIO (1) C.B.A (E7)
TP	VR40005 (CH1) (G-1) VR40007 (CH2) (E-1)
ADJ.	VR40002 (CH1) (F-1) VR40007 (CH2) (D-1)
TAPE	VFM8080HQFP ② or VFM8040H2FH
INPUT	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	400Hz = 5kHz (0dB±0.5dBm)

« NOTE »
After completing this adjustment be sure to make the adjustments described in the sections "4-6-6. NORMAL AUDIO PB GAIN ADJ.".

« SET UP »
DOLBY NR: OFF (MENU NO.3001)
AUDIO CH2: AUDIO (MENU NO.3006)

1. Set VR40003 and VR40008 to their center positions.
2. Play the fifth segment of the standard tape.
3. Connect the oscilloscope to TP40005 and TP40007.
4. Adjust VR40002 (CH1) and VR40007 (CH2) so that the 400Hz and 5kHz levels become the same (0dB± 0.5dBm) as shown in Fig. E72.

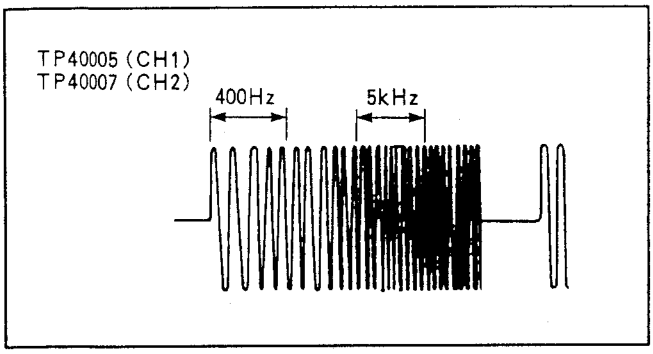


Fig. E72

4-6-6. NORMAL AUDIO PB GAIN ADJ.

BOARD	AUDIO (1) C.B.A (E7)
TP	NORM/Hi-Fi AUDIO OUT (CH1/CH2)
ADJ.	VR40003 (CH1) (F-1) VR40008 (CH2) (D-1)
TAPE	VFM8044H2FH
INPUT	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	2dBm+0.2dBm/-0

« NOTE »

Be sure to make this adjustment after completing this adjustment described in the sections "4-6-5. NORMAL AUDIO PB FREQUENCY RESPONSE ADJ.".

« SET UP »

OUTPUT AUDIO LEVEL SW: 0dB
AUDIO OUT SELECT SW: NORM
DOLBY NR: OFF (MENU NO.3001)
AUDIO CH2: AUDIO (MENU NO.3006)

1. Connect the digital voltmeter to the NORM/Hi-Fi AUDIO OUT (CH1 & CH2) terminal.
2. Adjust VR40003 (CH1) and VR40008 (CH2) so that the output level becomes 2dB±0.2dBm/-0.

4-6-7. NORMAL AUDIO ERASE CURRENT ADJ.

BOARD	AUDIO (1) C.B.A (E7)
TP	TP40002 (CH1) (A-3) TP40004 (CH2) (E-1)
ADJ.	TL40002 (A-3), TL40003 (CH1) (A-3), TL40004 (CH2) (B-3)
TAPE	BLANK TAPE
INPUT	
MODE	REC
M.EQ	OSCILLOSCOPE, FREQUENCY COUNTER
SPEC.	70kHz±1kHz

« SET UP »

S-VHS REC: ON (MENU NO.2006)
CH1 REC: CH1 (MENU NO.3005)
AUDIO CH2: AUDIO (MENU NO.3006)

1. Connect the frequency counter to TP40002, and adjust TL40002 so that the frequency becomes 70kHz±1kHz.
2. Connect CH1 and CH2 of the oscilloscope to TP40002 and TP40004 respectively, and adjust VR40003 (CH1) and VR40004 (CH2) so that the level becomes maximum.

4-6-8. NORMAL AUDIO BIAS CURRENT ADJ.

BOARD	AUDIO (1) C.B.A (E7)
TP	A/C HEAD
ADJ.	S-VHS: TL40001 (CH1) (A-2) TL4005 (CH2) (B-2), VHS: VR40004 (CH1) (A-1) VR40009 (CH2) (A-1)
TAPE	BLANK TAPE (VHS, S-VHS)
INPUT	NO SIGNAL
MODE	REC
M.EQ	DIGITAL VOLTMETER
SPEC.	S-VHS: 6.5mVrms±0.1mVrms VHS: 5.0mVrms±0.1mVrms

« SET UP »

S-VHS REC: ON (MENU NO.2006)
CH1 REC: CH1 (MENU NO.3005)
AUDIO CH2: AUDIO (MENU NO.3006)

1. Insert the S-VHS blank tape into the deck and set it to the REC mode.
2. Connect the digital volt meter to the test pin of the A/C head as shown in Fig. E73.
3. Adjust TL40001 (CH1) and TL40005 (CH2) so that the level becomes 6.5mVrms±0.1mVrms.
4. Insert the VHS blank tape and set the deck to the REC mode.
5. Adjust VR40004 (CH1) and VR40009 (CH2) so that the level becomes 5.0mVrms±0.1mVrms.

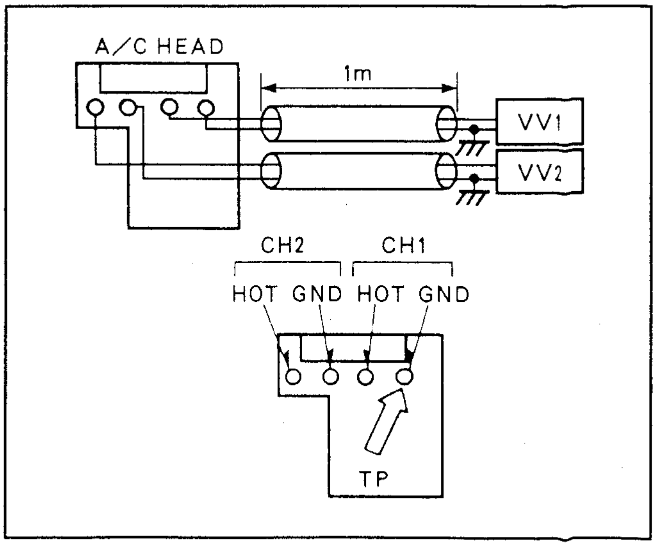


Fig. E73

6-9. NORMAL AUDIO REC. CURRENT ADJ.

ARD	AUDIO (1) C.B.A (E7)
TP	NORM/Hi-Fi, AUDIO OUT TP40003 (CH1) (B-1) TP40006 (CH2) (C-1)
ADJ.	VR4005 (CH1) (E-1), VR40010 (CH2) (D-1)
APE	BLANK TAPE (S-VHS)
PUT	1kHz, 0dBm SINE WAVE
MODE	REC
.EQ	DIGITAL VOLTMETER
PEC.	0dBm±1dBm

« ET UP »
HS REC: ON (MENU NO.2006)
OLBY NR: OFF (MENU NO.3001)
UDIO LIMITER: OFF (MENU NO.3002)
1 REC: CH1 (MENU NO.3005)
DIO CH2: AUDIO (MENU NO.3006)
INPUT AUDIO LEVEL SW (NORM/Hi-Fi): 0dBs
NORMAL AUDIO (CH1/2) LEVEL CONTROL: CENTER

1. Connect the digital volt meter to the deck as shown in Fig. E74. Note that you cannot adjust CH1 and CH2 at the same time.
2. Input the sine wave signal of 1kHz, 0dBm into the NORM/Hi-Fi AUDIO IN (CH1) terminal.
3. Insert the S-VHS tape and set the deck into the S-VHS REC mode.
4. Adjust VR40005 (CH1) so that the reading of the VTVM (2) becomes about 0.8Vrms (2.26Vp-p). At this time the reading of the VTVM (1) should be 0dBm.
5. Play the prerecorded segment and take notes of the level difference between the VTVM (1) and (2).
6. Start recording again and make fine-adjustment on VR40005 (CH1) to correct the level difference. Repeat steps 5 and 6 until other differences are eliminated.
7. Repeat steps 3 through 6 until the reading of the VTVM during recording and playing becomes minimum.
8. For CH2 adjustment, follow the above procedures by using TP40006 and VR40010

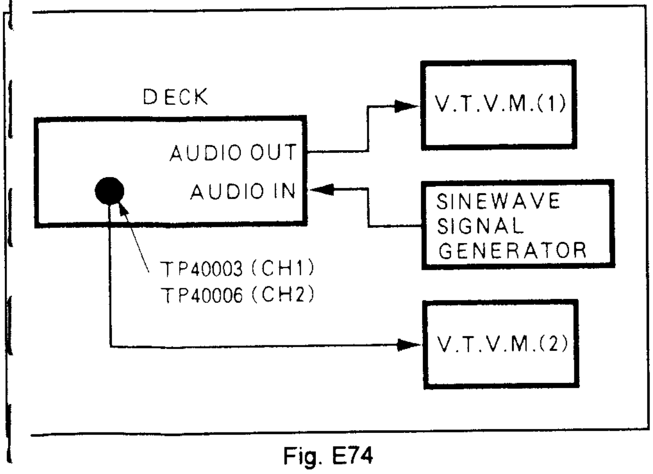


Fig. E74

4-6-10. NORMAL AUDIO GENERAL FREQUENCY RESPONSE ADJ.

BOARD	AUDIO (1) C.B.A (E7)
TP	TP40005 (G-1), TP40007 (E-1)
ADJ.	VHS: J4004 (CH1) (B-1) J4003 (CH2) (C-1) S-VHS: C40053 (CH1) (F-1) J40118 (CH2) (C-2)
TAPE	BLANK TAPE (VHS, S-VHS)
INPUT	1kHz, 5kHz, 8kHz, 10kHz, 20dBm SINE WAVE REC
MODE	PLAY
M.EQ	VTVM
SPEC.	8kHz: 0±3dB, 10kHz: 0±4dB

« SET UP »
S-VHS REC: OFF (MENU NO.2006)
AUDIO CH2: AUDIO (MENU NO.3006)
DOLBY NR: OFF (MENU NO.3001)
AUDIO LIMITER: OFF (MENU NO.3002)
CH1 REC: CH1 (MENU NO.3005)
AUDIO CH2: AUDIO (MENU NO.3006)
INPUT AUDIO LEVEL SW (NORM/Hi-Fi): 0dBs
NROMAL AUDIO (CH1/2) LEVEL CONTROL: CENTER

1. Record the 20dBm sine wave signals (1kHz, 5kHz, 8kHz, and 10kHz) onto the S-VHS and VHS tapes in each corresponding mode.
2. Read the values of TP40005 (CH1) and TP40007 (CH2) during playing of the 1kHz signal on the VHS tape. (This value becomes the reference.)
3. Read the values for the 8kHz and 10kHz signals and compare them with the values read in the above step. If they are more than the reference value, remove the jumper of J40004 (CH1) or J40003 (CH2).
4. Repeat steps 2 and 3 on the S-VHS tape.
5. If the values of the 8kHz and 10kHz signals are more than the reference value, remove C40053 (CH1) or C40118 (CH2).

4-6-11. NORMAL AUDIO TIME CODE METER ADJ.

BOARD	AUDIO (2) C.B.A (E8)
TP	CH2 LEVEL METER
ADJ.	VR41014 (A-1)
TAPE	BLANK TAPE
INPUT	TIME CODE SIGNAL (or 300Hz, 1Vp-p sine wave)
MODE	REC
M.EQ	
SPEC.	0±0.5VU

« SET UP »
S-VHS REC: OFF (MENU NO.2006)
AUDIO CH2: AUDIO (MENU NO.3006)
TC INT/EXT SELECT: EXT (MENU NO.7001)
CH2 METER: AUDIO CH2

1. Input the time code signal (or the sine wave signal of 300Hz, 1Vp-p) into the TIME CODE IN terminal.
2. Adjust VR41014 so that the needle of the Audio (CH2) Level Meter points at "0±0.5VU" as shown in Fig. E75.

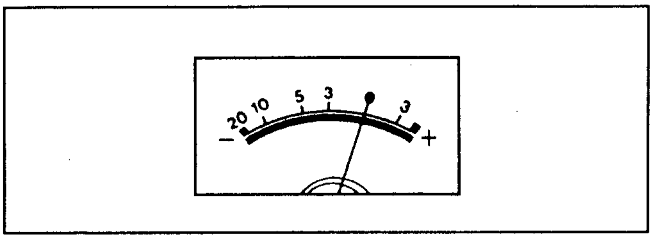


Fig. E75

4-6-12. Hi-Fi AUDIO HEAD SW SHIFTER ADJ.

BOARD	AUDIO (2) C.B.A (E8)
TP	TP41004 (F-1), TP41006 (F-1)
ADJ.	VR41004 (F-1)
TAPE	VFM8080HQF ①
INPUT	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG. E76.

« NOTE »

Be sure to make this adjustment after completing the adjustments described in the sections "4-3-1. PG SHIFTER ADJ.".

« SET UP »

S-VHS REC: ON (MENU NO.2006)

1. Play the first segment of the standard tape and adjust VR41004 so that no drop-out appears at the (a) and (b) positions.
2. Rotate the Tracking VR to check if there is no drop-out at the (a) and (b) positions.
3. If it is, repeat steps 1 and 2 until it disappears.

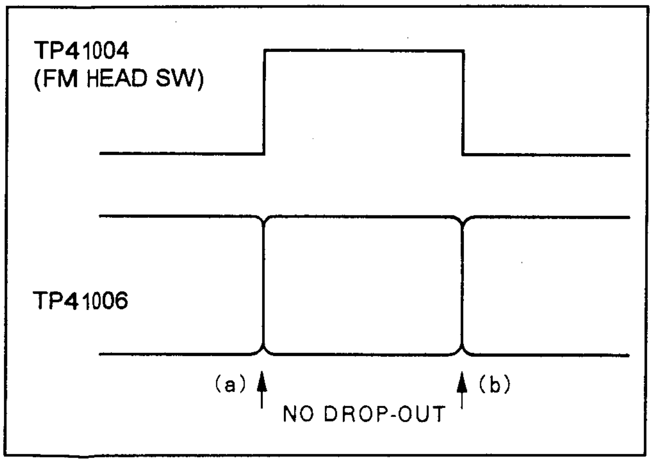


Fig. E76

4-6-13. Hi-Fi AUDIO CARRIER FREQUENCY ADJ.

BOARD	AUDIO (2) C.B.A (E8)
TP	TP41005 (CH1) (E-2) TP41008 (CH2) (F-3)
ADJ.	VR41002 (CH1) (F-1) VR41006 (CH2) (F-3)
TAPE	
INPUT	NO SIGNAL
MODE	EJECT (E-E)
M.EQ	FREQUENCY COUNTER
SPEC.	CH1: 1.3MHz±10kHz CH2: 1.7MHz±10kHz

« NOTE »

If the trigger of the frequency counter cannot be activated because the signal level is too low, rotate VR41003 (L CH) and VR41007 (R CH) clockwise. Then, after completing this adjustment, make the adjustment described in the section "4-6-15. Hi-Fi AUDIO REC. CURRENT ADJ." to adjust the above VR properly.

« SET UP »

S-VHS REC: ON (MENU NO.2006)
Hi-Fi INPUT SELECT: Hi-Fi INPUT (MENU NO.3004)

1. Ground the Hi-Fi AUDIO IN (CH1 & CH2).
2. Connect the frequency counter to TP41005 (CH1) and adjust VR41002 (CH1) so that the frequency becomes 1.3MHz±10kHz.
3. Connect the frequency counter to TP41008 (CH2) and adjust VR41006 (CH1) so that the frequency becomes 1.7MHz±10kHz.

4-6-14. Hi-Fi AUDIO DEVIATION ADJ.

« NOTE »

Be sure to make this adjustment after completing the adjustment described in the section "4-6-2. Hi-Fi AUDIO INPUT ADJ.".

BOARD	AUDIO (2) C.B.A (E8)
TP	TP41005 (CH1) (E-2) TP41008 (CH1) (F-3)
ADJ.	VR41001 (CH1) (F-1) VR41005 (CH2) (E-1)
TAPE	
INPUT	1kHz, 0dBm SINE WAVE
MODE	EJECT (E-E)
M.EQ	SPECTRUM ANALYZER
SPEC.	fw = 100kHz±5kHz

« SET UP »

INPUT AUDIO LEVEL SW (Hi-Fi): 0dBs
Hi-Fi INPUT SELECT: Hi-Fi INPUT (MENU NO.3004)
Hi-Fi REC: ON (MENU NO.3003)
Hi-Fi AUDIO (CH1/2) LEVEL CONTROL: CENTER

1. Connect the sine wave signal of 1kHz, 0dBm to Hi-Fi AUDIO IN (CH1 & CH2).
2. Connect the spectrum analyzer to P41005 (CH1) and set the center frequency to 1.3MHz.
3. Adjust VR41001 (CH1) so that the "fw" portion becomes 100kHz±5kHz as shown in Fig. E77.
4. Change the probe of the spectrum analyzer from TP41005 (CH1) to TP41008 (CH2) and set the center frequency to 1.7MHz.
5. Adjust VR41005 (CH2) so that the "fw" portion becomes 100kHz±5kHz as shown in Fig. E77.

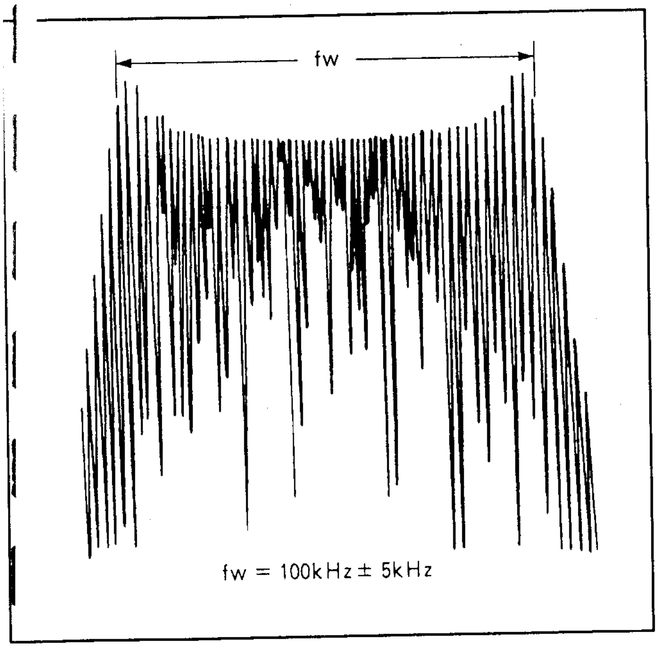


Fig. E77

SIMPLE ADJUSTMENT

BOARD	AUDIO (2) C.B.A (E8)
TP	Hi-Fi AUDIO OUTPUT (CH1) (CH2)
ADJ.	VR41001 (CH1) (F-1) VR41005 (CH2) (E-1)
TAPE	VFM8080HQF ① or VFM8040H2FH
INPUT	
MODE	PLAY
M.EQ	VTVM
SPEC.	-4dBm±0.5dBm

SET UP »

OUTPUT AUDIO LEVEL SW (Hi-Fi): 0dBs

1. Play the first segment of the standard tape.
. Connect the VTVM to the Hi-Fi AUDIO OUT (CH1 & CH2). terminal
3. Adjust VR41001 (CH1) to make the level −4dfBm± 0.5dBm.
. Adjust VR41005 (CH2) to make the level −4dfBm± 0.5dBm.

4-6-15. Hi-Fi AUDIO REC CURRENT ADJ.

BOARD	AUDIO (2) C.B.A (E8)
TP	TP5001 (HEAD AMP C.B.A.) (E15)
ADJ.	VR41007 (E-1), VR41003 (F-1)
TAPE	S-VHS TAPE
INPUT	NO SIGNAL
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	CH1: 290mVp-p±5mVp-p CH2: 210mVp-p±5mVp-p

« SET UP »

S-VHS REC: ON (MENU NO.2006)
Hi-Fi REC: ON (MENU NO.3003)
Hi-Fi INPUT SELECT: Hi-Fi INPUT (MENU NO.3004)

1. Ground the Hi-Fi AUDIO INPUT.
2, Fully rotate VR41003 counterclockwise.
3. Adjust VR41007 so that the level becomes 210mVp-p± 5mVp-p.
4. Adjust VR41003 so that the level becomes 290mVp-p± 5mVp-p.

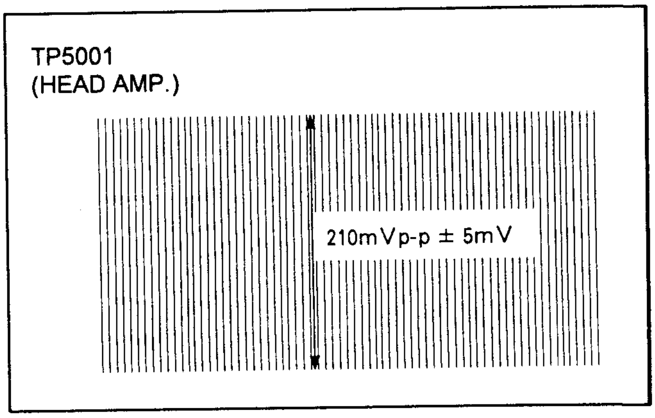


Fig. E78

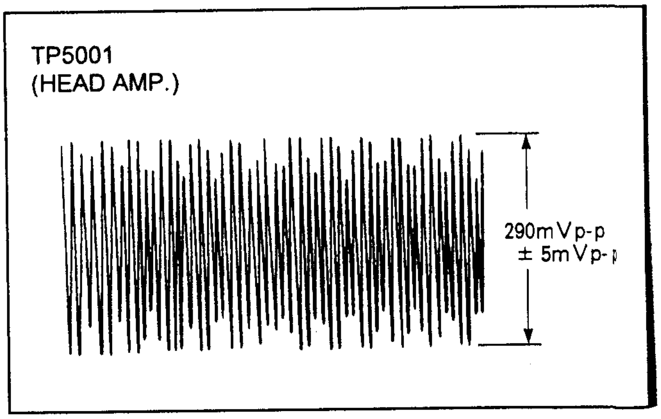


Fig. E79

4-7. OTHER SECTION

4-7-1. VITC MUTE PULSE ADJ.

BOARD	TIME CODE C.B.A (E10)
TP	TP68003, TP3303 (VIDEO I/O C.B.A.) (E5)
ADJ.	VR68001 (C-4)
TAPE	TEST TAPE
INPUT	LINEAR MASTER SIGNAL
MODE	SEARCH
M.EQ	WFM MONITOR
SPEC.	T = 1μs±0.3 μs

« SET UP »

VITC REC: ON (MENU NO.7003)
INPUT SW: LINE
ALL DEL SW (SW68001: TC C.B.A.): ON

1. Connect the oscilloscope's CH1 to TP3303 on the VIDEO I/O C.B.A. and CH2 to TP68003 on it respectively.
2. Expand the V-SYNC portion as shown in Fig. E80.
3. Adjust VR68001 so that the "T" shown in Fig. E80 becomes 1μs±0.3 μs.

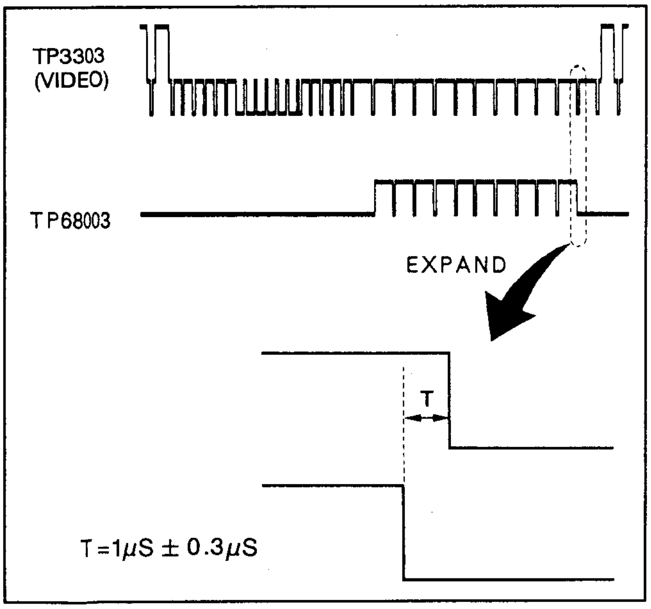

TP3303
(VIDEO)
TP68003
EXPAND
T
T=1μS ± 0.3μS

Fig. E80

4-7-2. OSD CHARACTER WIDTH ADJ.

BOARD	REAR AMP C.B.A (E28)
TP	VIDEO MONITOR OUT
ADJ.	CT6601 (C-7)
TAPE	
INPUT	NO SIGNAL
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	T = 52μs±0.5 μs

« SET UP »

DIAL MODE: MENU

1. Connect the oscilloscope to VIDEO MONITOR OUT.
2. Rotate the JOG dial so that the SET UP MENU number becomes "1001".
3. Adjust CT6601 so that the "T" becomes 52μs±0.5 μs.

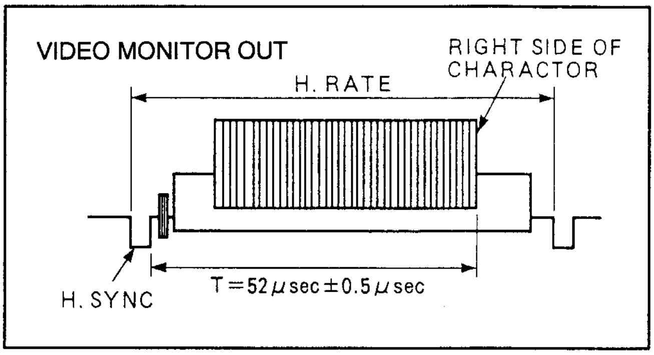

VIDEO MONITOR OUT
RIGHT SIDE OF CHARACTOR
H. RATE
H. SYNC
T=52μsec±0.5μsec

Fig. E81

4-7-3. FLYING ERASE CURRENT ADJ.

BOARD	AUDIO (2) C.B.A (E8)
TP	TP41009 (HOT) (A-1) TP41010 (GND) (A-1)
ADJ.	VR41015 (B-1), VR41016 (B-1)
TAPE	BLANK TAPE (S-VHS)
INPUT	COLOR BAR SIGNAL
MODE	VIDEO INSERT EDIT
M.EQ	OSCILLOSCOPE (100MHz)
SPEC.	150mVp-p±10mVp-p

« SET UP »

IMAGE MODE SELECT: NORMAL (MENU NO.2001)
VIDEO MODE: AUTO (MENU NO.2002)
S-VHS REC: ON (MENU NO.2006)
INPUT: LINE
VIDEO LEVEL control: PUSH (AGC: ON)

1. Perform the video INSERT Editing.
2. Connect the oscilloscope to TP41009 (HOT), TP41010 (GND), and adjust VR41015 and VR41016 so that the levels of "A" and "B" become 150mVp-p±10mVp-p.

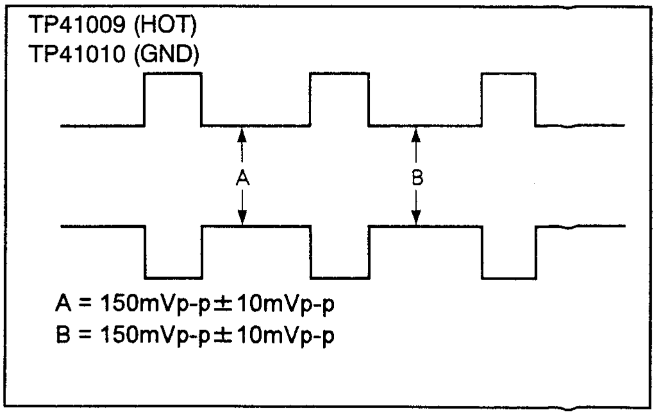

TP41009 (HOT)
TP41010 (GND)
A
B
A = 150mVp-p±10mVp-p
B = 150mVp-p±10mVp-p

Fig. E82

7-4. FLYING ERASE FREQUENCY CHECK

OARD	AUDIO (2) C.B.A (E8)
TP	TP41011 (HOT) (A-1) TP41010 (GND) (A-1)
ADJ.	VC41001 (B-2)
TAPE	BLANK TAPE (S-VHS)
INPUT	
MODE	VIDEO INSERT EDIT
M.EQ	FREQUENCY COUNTER
SPEC.	10.00MHz±0.05MHz

« SET UP »
S-VHS REC: ON (MENU NO.2006)
TBC SELECT: INITIALIZATION

1. Select the video INSERT Editing mode.
2. Connect the frequency counter to TP41011 (HOT), TP41010 (GND).
3. Check if the reading of the frequency counter is 10.00MHz±0.05MHz. If the reading does match to the reference value, adjust VC41001.

SECTION 5

BLOCK DIAGRAMS

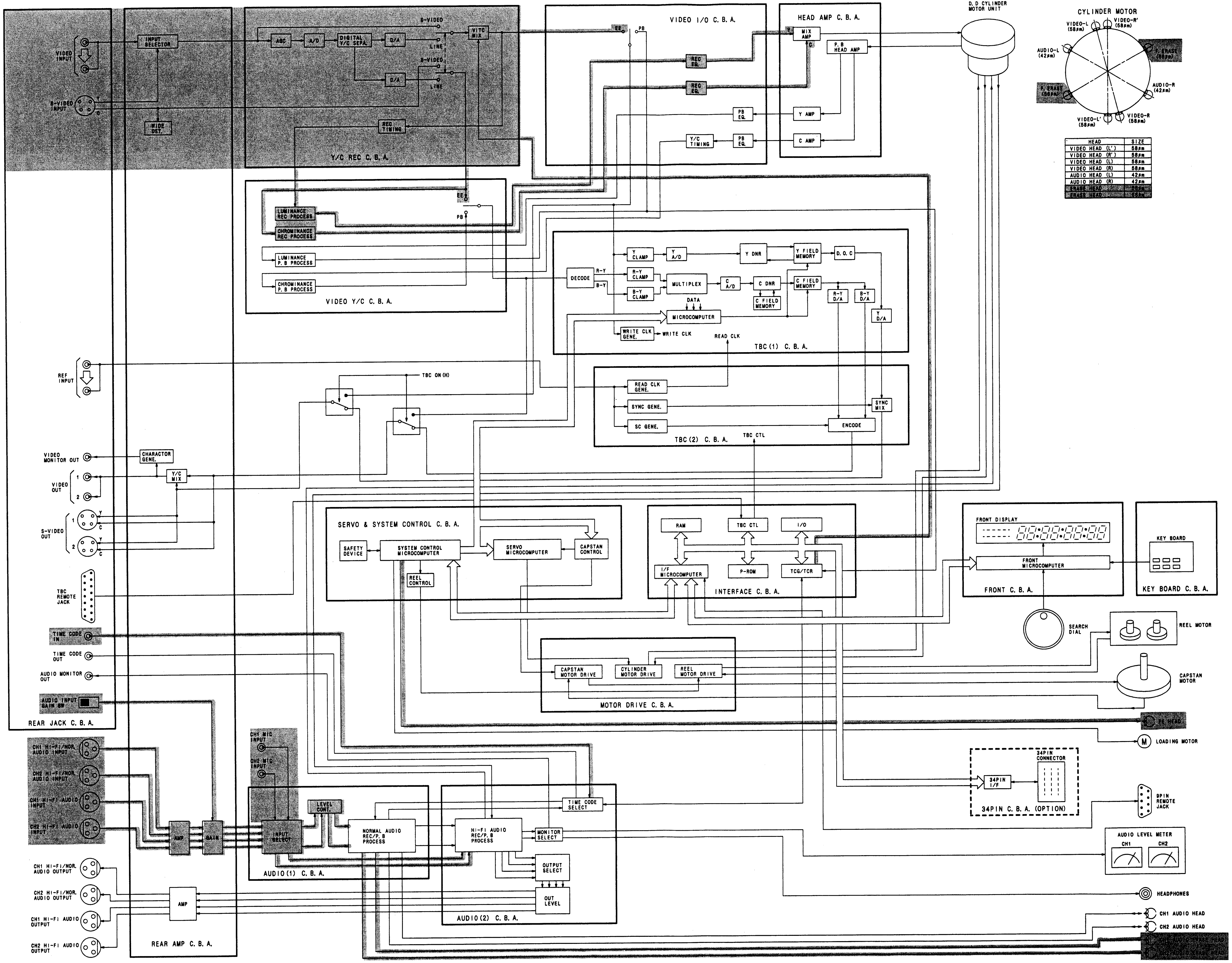
CONTENTS

OVERALL BLOCK DIAGRAM BLK-3
FRONT BLOCK DIAGRAM BLK-4
SYSTEM CONTROL BLOCK DIAGRAM BLK-5
SERVO BLOCK DIAGRAM BLK-6
VIDEO YC BLOCK DIAGRAM BLK-7
YC REC BLOCK DIAGRAM BLK-8
VIDEO I/O BLOCK DIAGRAM BLK-9
TBC (1) BLOCK DIAGRAM BLK-10
TBC (2) BLOCK DIAGRAM BLK-11
INTERFACE BLOCK DIAGRAM BLK-12
NORMAL AUDIO BLOCK DIAGRAM BLK-13
Hi-Fi AUDIO BLOCK DIAGRAM BLK-14

NOTE

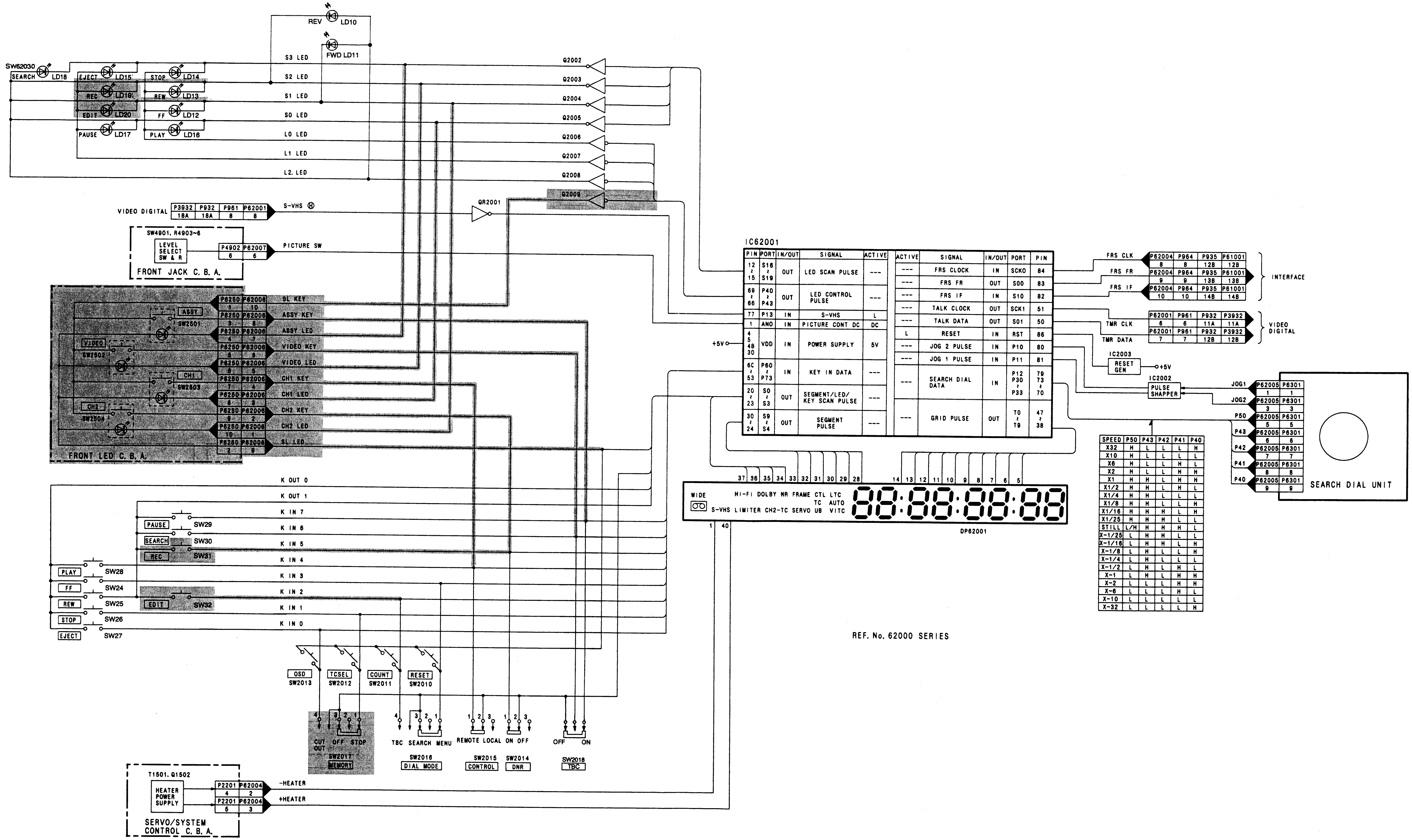
THE AG-DS555 ONLY HAVE COMPONENTS AND OR WIRES IDENTIFIED BY SHADE MARK ON THESES BLOCK DIAGRAMS.

OVERALL BLOCK DIAGRAM


VIDEO INPUT
S-VIDEO INPUT
Y
C
INPUT SELECTOR
WIDE DET.
S-VIDEO
AGC
A/D
DIGITAL Y/C SEPA.
D/A
LINE
S-VIDEO
D/A
LINE
VITC MIX
REC TIMING
Y/C REC C. B. A.
VIDEO I/O C. B. A.
EE
PB
REC EQ.
REC EQ.
PB EQ.
PB EQ.
Y/C TIMING
HEAD AMP C. B. A.
MIX AMP
P. B HEAD AMP
Y AMP
C AMP
D. D CYLINDER MOTOR UNIT
CYLINDER MOTOR
VIDEO-L (58µm)
VIDEO-R' (58µm)
F. ERASE (58µm)
AUDIO-L (42µm)
F. ERASE (58µm)
AUDIO-R (42µm)
VIDEO-L' (58µm)
VIDEO-R (58µm)
EE
PB
LUMINANCE REC PROCESS
CHROMINANCE REC PROCESS
LUMINANCE P. B PROCESS
CHROMINANCE P. B PROCESS
VIDEO Y/C C. B. A.
DECODE
R-Y
B-Y
Y CLAMP
Y A/D
Y DNR
Y FIELD MEMORY
D. O. C
R-Y CLAMP
B-Y CLAMP
MULTIPLEX
C A/D
C DNR
C FIELD MEMORY
C FIELD MEMORY
R-Y D/A
B-Y D/A
Y D/A
DATA
MICROCOMPUTER
WRITE CLK GENE.
WRITE CLK
READ CLK
TBC (1) C. B. A.
REF INPUT
TBC ON (H)
READ CLK GENE.
SYNC GENE.
SC GENE.
SYNC MIX
ENCODE
TBC (2) C. B. A.
TBC CTL
VIDEO MONITOR OUT
CHARACTOR GENE.
VIDEO OUT
1
2
Y/C MIX
S-VIDEO OUT
1
2
Y
C
TBC REMOTE JACK
TIME CODE IN
TIME CODE OUT
AUDIO MONITOR OUT
AUDIO INPUT GAIN SW
REAR JACK C. B. A.
SERVO & SYSTEM CONTROL C. B. A.
SAFETY DEVICE
SYSTEM CONTROL MICROCOMPUTER
SERVO MICROCOMPUTER
CAPSTAN CONTROL
REEL CONTROL
RAM
TBC CTL
I/O
I/F MICROCOMPUTER
P-ROM
TCG/TCR
INTERFACE C. B. A.
FRONT DISPLAY
FRONT MICROCOMPUTER
FRONT C. B. A.
KEY BOARD
KEY BOARD C. B. A.
SEARCH DIAL
REEL MOTOR
CAPSTAN MOTOR DRIVE
CYLINDER MOTOR DRIVE
REEL MOTOR DRIVE
MOTOR DRIVE C. B. A.
CAPSTAN MOTOR
FE HEAD
LOADING MOTOR
34PIN CONNECTOR
34PIN I/F
34PIN C. B. A. (OPTION)
9PIN REMOTE JACK
AUDIO LEVEL METER
CH1
CH2
HEADPHONES
CH1 AUDIO HEAD
CH2 AUDIO HEAD
CH1 AUDIO ERASE HEAD
CH2 AUDIO ERASE HEAD
CH1 HI-FI/NOR. AUDIO INPUT
CH2 HI-FI/NOR. AUDIO INPUT
CH1 HI-FI AUDIO INPUT
CH2 HI-FI AUDIO INPUT
AMP
GAIN
CH1 MIC INPUT
CH2 MIC INPUT
INPUT SELECT
LEVEL CONT.
NORMAL AUDIO REC/P. B PROCESS
AUDIO (1) C. B. A.
TIME CODE SELECT
HI-FI AUDIO REC/P. B PROCESS
MONITOR SELECT
OUTPUT SELECT
OUT LEVEL
AUDIO (2) C. B. A.
CH1 HI-FI/NOR. AUDIO OUTPUT
CH2 HI-FI/NOR. AUDIO OUTPUT
CH1 HI-FI AUDIO OUTPUT
CH2 HI-FI AUDIO OUTPUT
AMP
REAR AMP C. B. A.

HEAD	SIZE
VIDEO HEAD (L')	58µm
VIDEO HEAD (R')	58µm
VIDEO HEAD (L)	58µm
VIDEO HEAD (R)	58µm
AUDIO HEAD (L)	42µm
AUDIO HEAD (R)	42µm
ERASE HEAD	58µm
ERASE HEAD	58µm

FRONT BLOCK DIAGRAM


SW62030
SEARCH
LD18
EJECT
LD15
REC
LD19
EDIT
LD20
PAUSE
LD17
STOP
LD14
REW
LD13
FF
LD12
PLAY
LD16
REV
LD10
FWD LD11
S3 LED
S2 LED
S1 LED
S0 LED
L0 LED
L1 LED
L2. LED
Q2002
Q2003
Q2004
Q2005
Q2006
Q2007
Q2008
Q2009
QR2001
VIDEO DIGITAL
P3932 18A
P932 18A
P961 8
P62001 8
S-VHS Ⓗ
SW4901, R4903~6
LEVEL SELECT SW & R
P4902 6
P62007 6
FRONT JACK C. B. A.
PICTURE SW
ASSY
SW2501
VIDEO
SW2502
CH1
SW2503
CH2
SW2504
FRONT LED C. B. A.
P6250 1 / P62006 10 SL KEY
P6250 3 / P62006 8 ASSY KEY
P6250 4 / P62006 7 ASSY LED
P6250 5 / P62006 6 VIDEO KEY
P6250 6 / P62006 5 VIDEO LED
P6250 7 / P62006 4 CH1 KEY
P6250 8 / P62006 3 CH1 LED
P6250 9 / P62006 2 CH2 KEY
P6250 10 / P62006 1 CH2 LED
P6250 2 / P62006 9 SL LED
K OUT 0
K OUT 1
K IN 7
K IN 6
K IN 5
K IN 4
K IN 3
K IN 2
K IN 1
K IN 0
PAUSE
SW29
SEARCH
SW30
REC
SW31
PLAY
SW28
FF
SW24
REW
SW25
EDIT
SW32
STOP
SW26
EJECT
SW27
OSD
SW2013
TCSEL
SW2012
COUNT
SW2011
RESET
SW2010
4 3 2 1
CUT OUT
OFF
STOP
SW2017
MEMORY
4 3 2 1
TBC
SEARCH
MENU
SW2016
DIAL MODE
1 2 3
REMOTE
LOCAL
SW2015
CONTROL
1 2 3
ON
OFF
SW2014
DNR
OFF
ON
SW2018
TBC
T1501, Q1502
HEATER POWER SUPPLY
P2201 4
P62004 2
P2201 5
P62004 3
SERVO/SYSTEM CONTROL C. B. A.
-HEATER
+HEATER
+5V
IC62001
37 36 35 34 33 32 31 30 29 28
14 13 12 11 10 9 8 7 6 5
WIDE
HI-FI DOLBY NR FRAME CTL LTC
TC AUTO
S-VHS LIMITER CH2-TC SERVO UB VITC
88·88·88·88
1 40
DP62001
FRS CLK
FRS FR
FRS IF
P62004 8 / P964 8 / P935 12B / P61001 12B
P62004 9 / P964 9 / P935 13B / P61001 13B
P62004 10 / P964 10 / P935 14B / P61001 14B
INTERFACE
TMR CLK
TMR DATA
P62001 6 / P961 6 / P932 11A / P3932 11A
P62001 7 / P961 7 / P932 12B / P3932 12B
VIDEO DIGITAL
IC2003
RESET GEN
+5V
IC2002
PULSE SHAPPER
JOG1
JOG2
P50
P43
P42
P41
P40
P62005 1 / P6301 1
P62005 3 / P6301 3
P62005 5 / P6301 5
P62005 6 / P6301 6
P62005 7 / P6301 7
P62005 8 / P6301 8
P62005 9 / P6301 9
SEARCH DIAL UNIT

IC62001

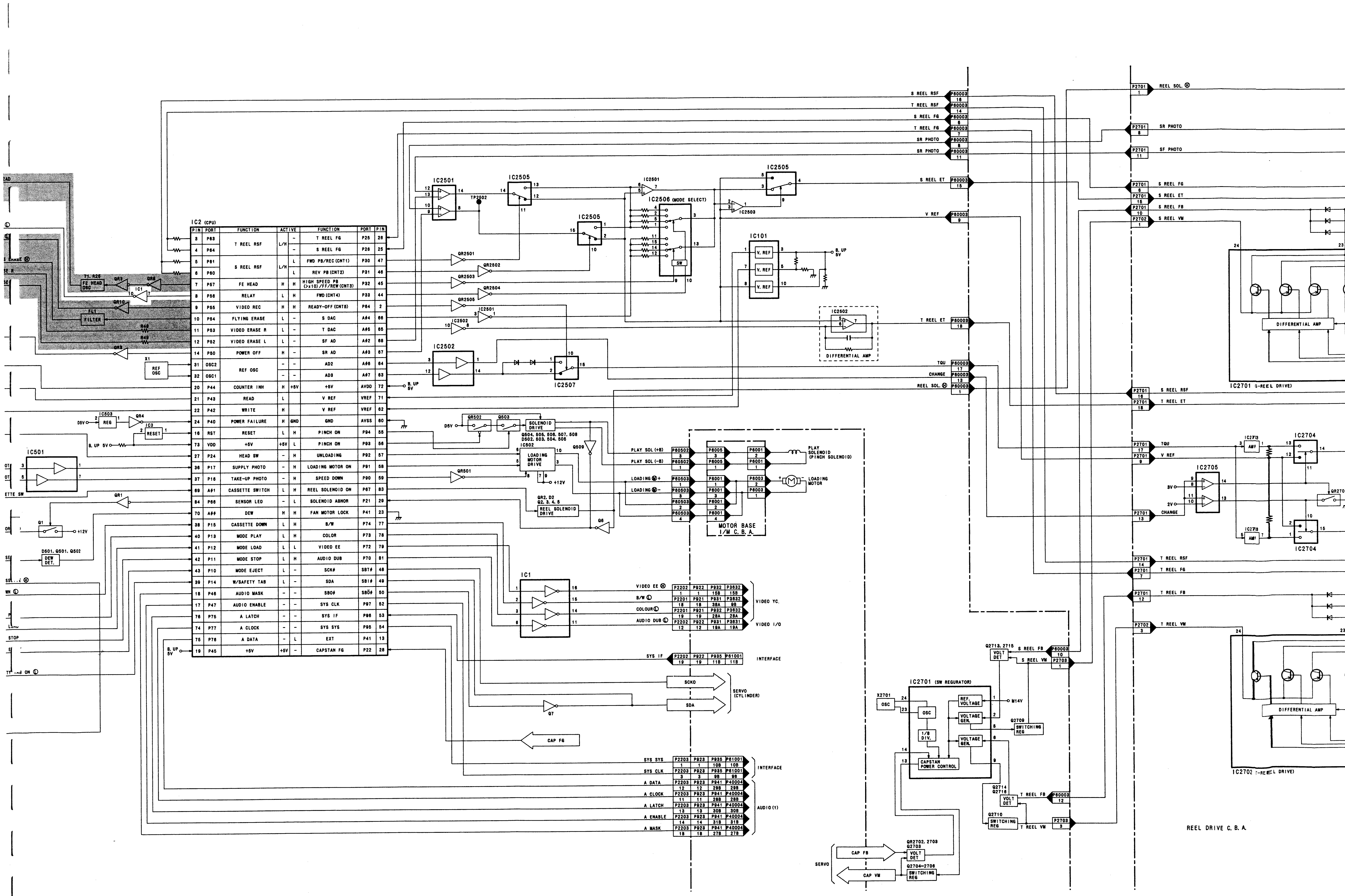
PIN	PORT	IN/OUT	SIGNAL	ACTIVE
12 ~ 15	S16 ~ S19	OUT	LED SCAN PULSE	---
69 ~ 66	P40 ~ P43	OUT	LED CONTROL PULSE	---
77	P13	IN	S-VHS	L
1	ANO	IN	PICTURE CONT DC	DC
4 5 48 30	VDD	IN	POWER SUPPLY	5V
6C ~ 53	P60 ~ P73	IN	KEY IN DATA	---
20 ~ 23	S0 ~ S3	OUT	SEGMENT/LED/ KEY SCAN PULSE	---
30 ~ 24	S9 ~ S4	OUT	SEGMENT PULSE	---

ACTIVE	SIGNAL	IN/OUT	PORT	PIN
---	FRS CLOCK	IN	SCKO	84
---	FRS FR	OUT	S00	83
---	FRS IF	IN	S10	82
---	TALK CLOCK	OUT	SCK1	51
---	TALK DATA	OUT	S01	50
L	RESET	IN	RST	86
---	JOG 2 PULSE	IN	P10	80
---	JOG 1 PULSE	IN	P11	81
---	SEARCH DIAL DATA	IN	P12 P30 ~ P33	79 73 ~ 70
---	GRID PULSE	OUT	T0 ~ T9	47 ~ 38

SPEED	P50	P43	P42	P41	P40
X32	H	L	L	L	H
X10	H	L	L	L	L
X6	H	L	L	H	L
X2	H	L	L	H	H
X1	H	H	L	H	H
X1/2	H	H	L	H	L
X1/4	H	H	L	L	L
X1/8	H	H	L	L	H
X1/16	H	H	H	L	H
X1/25	H	H	H	L	L
STILL	L/H	H	H	H	L
X-1/25	L	H	H	L	L
X-1/16	L	H	H	L	H
X-1/8	L	H	L	L	H
X-1/4	L	H	L	L	L
X-1/2	L	H	L	H	L
X-1	L	H	L	H	H
X-2	L	L	L	H	H
X-6	L	L	L	H	L
X-10	L	L	L	L	L
X-32	L	L	L	L	H

REF. No. 62000 SERIES

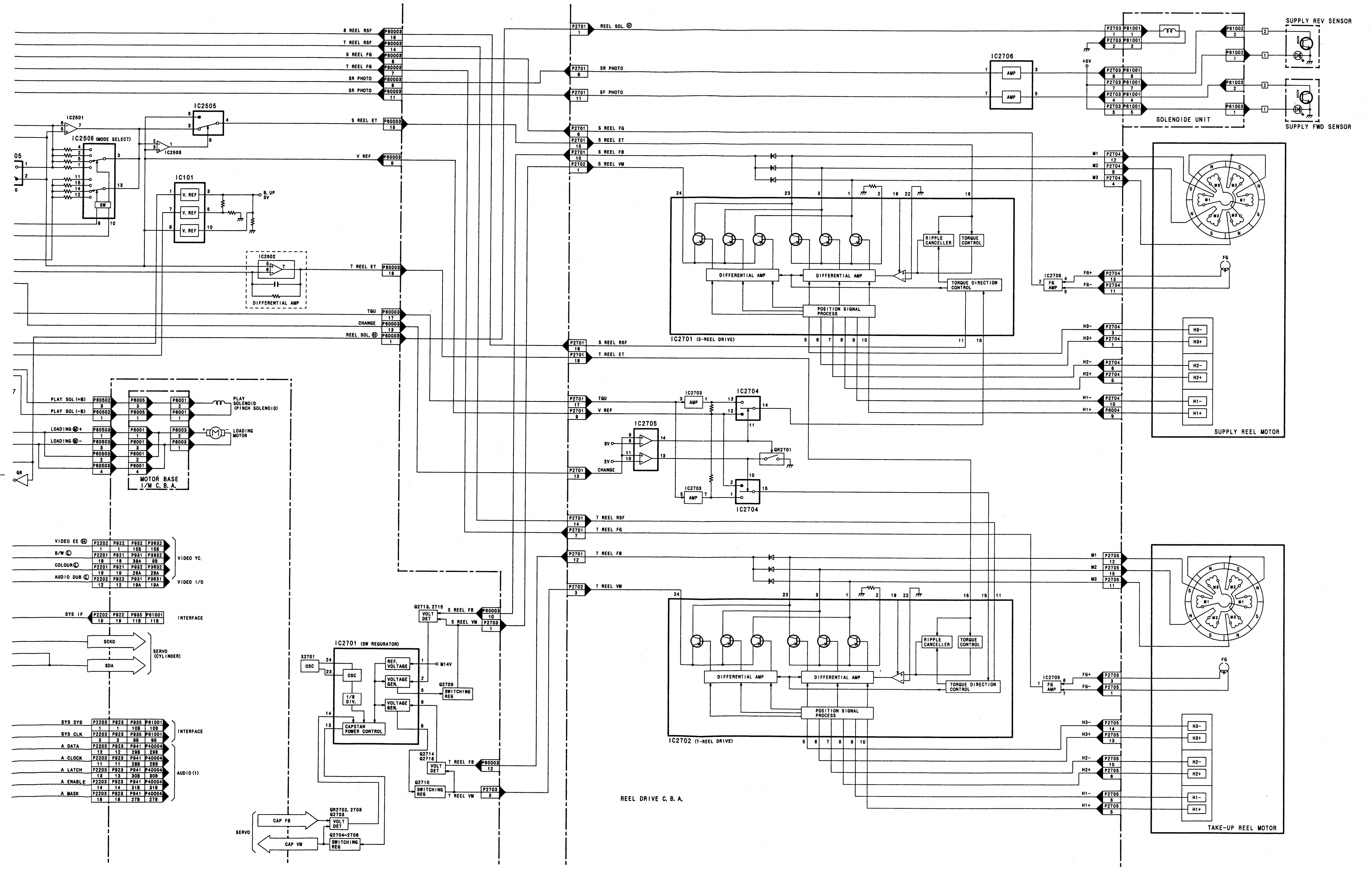
LOCK DIAGRAM



IC2 (CPU)

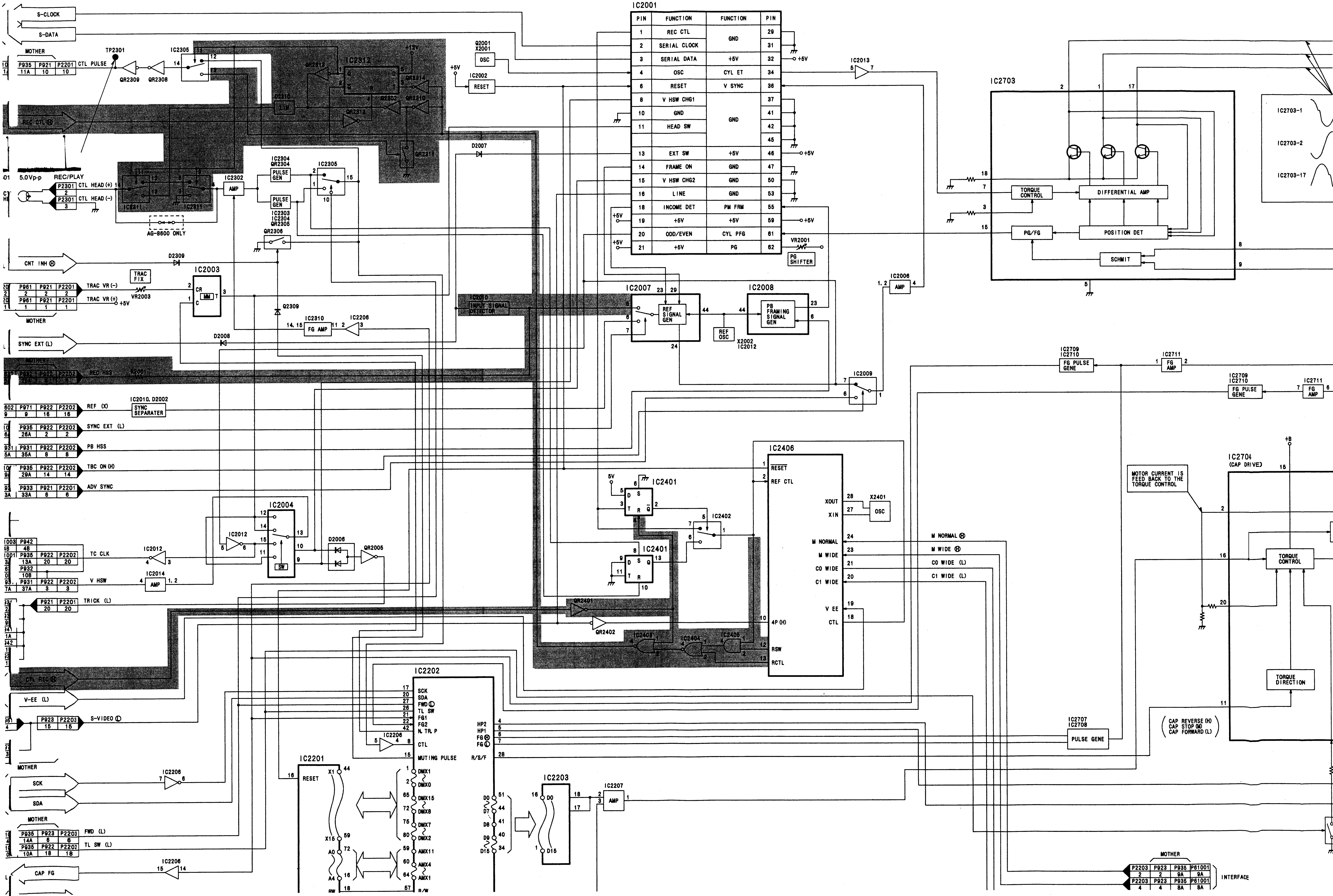
PIN	PORT	FUNCTION	ACTIVE		FUNCTION	PORT	PIN
3	P63	T REEL RSF	L/H	–	T REEL FG	P25	26
4	P64			–	S REEL FG	P26	25
5	P61	S REEL RSF	L/H	L	FWD PB/REC (CNT1)	P30	47
6	P60			L	REV PB (CNT2)	P31	46
7	P57	FE HEAD	H	H	HIGH SPEED PB (>x10)/FF/REW (CNT3)	P32	45
8	P56	RELAY	L	H	FWD (CNT4)	P33	44
9	P55	VIDEO REC	H	H	READY-OFF (CNT5)	P64	2
10	P54	FLYING ERASE	L	–	S DAC	A04	66
11	P53	VIDEO ERASE R	L	–	T DAC	A05	65
12	P52	VIDEO ERASE L	L	–	SF AD	A02	68
14	P50	POWER OFF	H	–	SR AD	A03	67
31	OSC2	REF OSC	–	–	AD2	A06	64
32	OSC1		–	–	AD3	A07	63
20	P44	COUNTER INH	H	+5V	+5V	AVDD	72
21	P43	READ	L		V REF	VREF	71
22	P42	WRITE	H		V REF	VREF	62
24	P40	POWER FAILURE	H	GND	GND	AVSS	60
16	RST	RESET	L	H	PINCH ON	P94	55
73	VDD	+5V	+5V	L	PINCH ON	P93	56
27	P24	HEAD SW	–	H	UNLOADING	P92	57
36	P17	SUPPLY PHOTO	–	H	LOADING MOTOR ON	P91	58
37	P16	TAKE-UP PHOTO	–	H	SPEED DOWN	P90	59
69	A01	CASSETTE SWITCH	L	H	REEL SOLENOID ON	P67	83
84	P66	SENSOR LED	–	L	SOLENOID ABNOR	P21	29
70	A00	DEW	H	H	FAN MOTOR LOCK	P41	23
38	P15	CASSETTE DOWN	L	H	B/W	P74	77
40	P13	MODE PLAY	L	H	COLOR	P73	78
41	P12	MODE LOAD	L	L	VIDEO EE	P72	79
42	P11	MODE STOP	L	H	AUDIO DUB	P70	81
43	P10	MODE EJECT	L	–	SCK0	SBT0	48
39	P14	W/SAFETY TAB	L	–	SDA	SBI0	49
18	P46	AUDIO MASK	–	–	SBO0	SBŌ0	50
17	P47	AUDIO ENABLE	–	–	SYS CLK	P97	52
76	P75	A LATCH	–	–	SYS IF	P96	53
74	P77	A CLOCK	–	–	SYS SYS	P95	54
75	P76	A DATA	–	L	EXT	P41	13
19	P45	+5V	+5V	–	CAPSTAN FG	P22	28

FE HEAD OSC
T1, R25
QR9
QR8
IC1
QR10
FL1
FILTER
R48
R49
QR8
X1
REF OSC
IC503
REG
QR4
IC3
RESET
D5V
B. UP 5V
IC501
QR1
Q1
+12V
D501, Q501, Q502
DEW DET.
IC2501
IC2505
TP2502
IC2501
IC2506 (MODE SELECT)
SW
IC2503
IC2505
IC101
V. REF
B. UP 5V
QR2501
QR2502
QR2503
QR2504
QR2505
IC2501
IC2502
IC2502
IC2507
B. UP 5V
IC2502
DIFFERENTIAL AMP
S REEL RSF
T REEL RSF
S REEL FG
T REEL FG
SR PHOTO
SR PHOTO
S REEL ET
V REF
T REEL ET
TQU
CHANGE
REEL SOL. Ⓗ
P60003
QR502
Q503
SOLENOID DRIVE
Q504, 505, 506, 507, 508
D502, 503, 504, 505
IC502
LOADING MOTOR DRIVE
+12V
QR501
Q509
QR2, D2
Q2, 3, 4, 5
REEL SOLENOID DRIVE
Q6
PLAY SOL (+B)
PLAY SOL (–B)
LOADING Ⓜ+
LOADING Ⓜ–
P60502
P60503
P6005
P6001
P6003
PLAY SOLENOID (PINCH SOLENOID)
LOADING MOTOR
MOTOR BASE I/M C. B. A.
IC1
VIDEO EE Ⓗ
B/W Ⓛ
COLOUR Ⓛ
AUDIO DUB Ⓛ
P2202 1 | P922 1 | P932 15B | P3632 15B
P2201 18 | P921 18 | P931 38A | P3632 9B
P2201 19 | P921 19 | P932 28A | P3632 28A
P2202 12 | P922 12 | P931 19A | P3631 19A
VIDEO YC.
VIDEO I/O
SYS IF
P2202 19 | P922 19 | P935 11B | P61001 11B
INTERFACE
SCKO
SDA
Q7
SERVO (CYLINDER)
CAP FG
SYS SYS
P2203 1 | P923 1 | P935 10B | P61001 10B
SYS CLK
P2203 3 | P923 3 | P935 9B | P61001 9B
INTERFACE
A DATA
P2203 12 | P923 12 | P941 29B | P40004 29B
A CLOCK
P2203 11 | P923 11 | P941 28B | P40004 28B
A LATCH
P2203 13 | P923 13 | P941 30B | P40004 30B
A ENABLE
P2203 14 | P923 14 | P941 31B | P40004 31B
A MASK
P2203 18 | P923 18 | P941 27B | P40004 27B
AUDIO (1)
IC2701 (SW REGURATOR)
X2701
OSC
OSC
1/8 DIV.
CAPSTAN POWER CONTROL
REF. VOLTAGE
VOLTAGE GEN.
VOLTAGE GEN.
M14V
Q2709
SWITCHING REG
Q2713, 2715
VOLT DET
S REEL FB
S REEL VM
P2703
Q2714
Q2716
VOLT DET
T REEL FB
Q2710
SWITCHING REG
T REEL VM
Q2702, 2708
Q2703
VOLT DET
Q2704~2706
SWITCHING REG
CAP FB
CAP VM
SERVO
P2701
REEL SOL. Ⓗ
SR PHOTO
SF PHOTO
S REEL FG
S REEL ET
S REEL FB
S REEL VM
P2702
DIFFERENTIAL AMP
IC2701 (S-REEL DRIVE)
S REEL RSF
T REEL ET
TQU
V REF
IC2713
AMP
IC2704
IC2705
3V
2V
CHANGE
IC2713
AMP
IC2704
T REEL RSF
T REEL FG
T REEL FB
T REEL VM
DIFFERENTIAL AMP
IC2702 (T-REEL DRIVE)
REEL DRIVE C. B. A.



S REEL RSF
T REEL RSF
S REEL FG
T REEL FG
SR PHOTO
SF PHOTO
S REEL ET
V REF
T REEL ET
TQU
CHANGE
REEL SOL.
IC2501
IC2505
IC2506 (MODE SELECT)
IC2503
IC101
V. REF
B. UP 5V
IC2502
DIFFERENTIAL AMP
SW
PLAY SOL (+B)
PLAY SOL (-B)
PLAY SOLENOID (PINCH SOLENOID)
LOADING M +
LOADING M -
LOADING MOTOR
MOTOR BASE I/M C. B. A.
VIDEO EE
B/W
COLOUR
AUDIO DUB
VIDEO YC.
VIDEO I/O
SYS IF
INTERFACE
SCKO
SDA
SERVO (CYLINDER)
SYS SYS
SYS CLK
A DATA
A CLOCK
A LATCH
A ENABLE
A MASK
AUDIO (1)
Q2713, 2715
VOLT DET
S REEL FB
S REEL VM
X2701
OSC
IC2701 (SW REGURATOR)
REF. VOLTAGE
VOLTAGE GEN.
1/8 DIV.
CAPSTAN POWER CONTROL
M14V
Q2709
SWITCHING REG
Q2714 Q2716
T REEL FB
T REEL VM
Q2710
QR2702, 2703 Q2703
Q2704~2706
CAP FB
CAP VM
SERVO
P2701
P2702
P2703
IC2706
AMP
+5V
SOLENOIDE UNIT
SUPPLY REV SENSOR
SUPPLY FWD SENSOR
P61001
P61002
P61003
S REEL FG
S REEL ET
S REEL FB
S REEL VM
M1
M2
M3
P2704
IC2701 (S-REEL DRIVE)
RIPPLE CANCELLER
TORQUE CONTROL
DIFFERENTIAL AMP
TORQUE DIRECTION CONTROL
POSITION SIGNAL PROCESS
IC2705
FG AMP
FG+
FG-
FG
S REEL RSF
T REEL ET
H3-
H3+
H2-
H2+
H1-
H1+
P6004
SUPPLY REEL MOTOR
IC2703
IC2704
QR2701
3V
2V
T REEL RSF
T REEL FG
T REEL FB
T REEL VM
P2705
IC2702 (T-REEL DRIVE)
TAKE-UP REEL MOTOR
REEL DRIVE C. B. A.

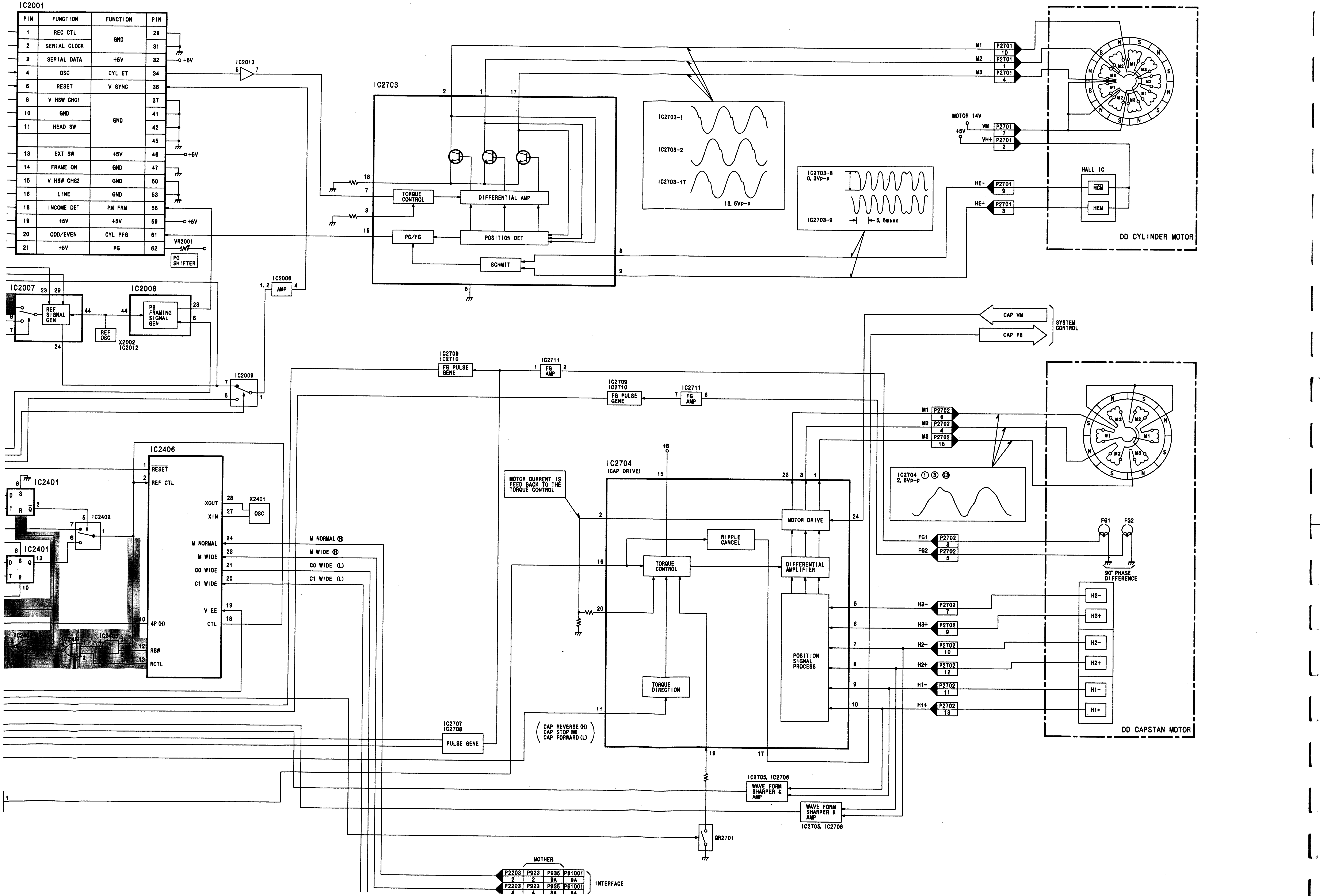
LOCK DIAGRAM



IC2001

PIN	FUNCTION	FUNCTION	PIN
1	REC CTL	GND	29
2	SERIAL CLOCK		31
3	SERIAL DATA	+5V	32
4	OSC	CYL ET	34
6	RESET	V SYNC	36
8	V HSW CHG1	GND	37
10	GND		41
11	HEAD SW		42
			45
13	EXT SW	+5V	46
14	FRAME ON	GND	47
15	V HSW CHG2	GND	50
16	LINE	GND	53
18	INCOME DET	PM FRM	55
19	+5V	+5V	59
20	ODD/EVEN	CYL PFG	61
21	+5V	PG	62

S-CLOCK
S-DATA
MOTHER
P935 P921 P2201 CTL PULSE
11A 10 10
TP2301
QR2309
QR2308
IC2305
IC2312
+12V
QR2313
QR2314
QR2302
QR2316
QR2312
IC2315 LIM
QR2311
REC CTL H
5.0Vp-p
REC/PLAY
P2301 CTL HEAD (+)
P2301 CTL HEAD (-)
IC2311
IC2302 AMP
AG-8600 ONLY
IC2304 QR2304 PULSE GEN
IC2303 IC2304 IC2305 PULSE GEN
QR2306
D2007
Q2001 X2001 OSC
+5V
IC2002 RESET
CNT INH H
D2309
IC2003 CR MM T
TRAC FIX
VR2003
P961 P921 P2201 TRAC VR (-)
P961 P921 P2201 TRAC VR (+)
Q2309
IC2310 FG AMP
IC2206
D2008
SYNC EXT (L)
IC2010 INPUT SIGNAL DETECTOR
REC HSS
IC2010, D2002 SYNC SEPARATER
P971 P922 P2202 REF (X)
P935 P922 P2202 SYNC EXT (L)
P931 P922 P2202 PB HSS
P935 P922 P2202 TBC ON (H)
P933 P921 P2201 ADV SYNC
P942 P935 P922 P2202 TC CLK
P932 P931 P922 P2202 V HSW
IC2012
IC2014 AMP
IC2004 SW
D2006
QR2005
P921 P2201 TRICK (L)
CTL REC H
V-EE (L)
P923 P2203 S-VIDEO L
SCK
SDA
P935 P923 P2203 FWD (L)
P935 P922 P2202 TL SW (L)
CAP FG
IC2007 REF SIGNAL GEN
IC2008 PB FRAMING SIGNAL GEN
REF OSC
X2002 IC2012
IC2013
PG SHIFTER
VR2001
IC2006 AMP
IC2009
IC2401 D S T R Q
IC2402
IC2401 D S Q T R
QR2401
QR2402
IC2403
IC2404
IC2405
IC2406 RESET REF CTL XOUT XIN M NORMAL M WIDE C0 WIDE C1 WIDE V EE CTL 4P (H) RSW RCTL
X2401 OSC
M NORMAL H
M WIDE H
C0 WIDE (L)
C1 WIDE (L)
IC2202 SCK SDA FWD L TL SW FG1 FG2 N. TR. P CTL MUTING PULSE HP2 HP1 FG H FG L R/S/F DMX1 DMX0 DMX15 DMX8 DMX7 DMX2 AMX11 AMX4 AMX1 R/W
IC2201 RESET X1 X15 A0 A4
IC2203 D0 D15
IC2207 AMP
IC2703
TORQUE CONTROL
DIFFERENTIAL AMP
PG/FG
POSITION DET
SCHMIT
IC2703-1
IC2703-2
IC2703-17
IC2709 IC2710 FG PULSE GENE
IC2711 FG AMP
IC2704 (CAP DRIVE)
+B
MOTOR CURRENT IS FEED BACK TO THE TORQUE CONTROL
TORQUE CONTROL
TORQUE DIRECTION
IC2707 IC2708 PULSE GENE
CAP REVERSE (H) CAP STOP (M) CAP FORWARD (L)
MOTHER
P2203 P923 P935 P61001
INTERFACE



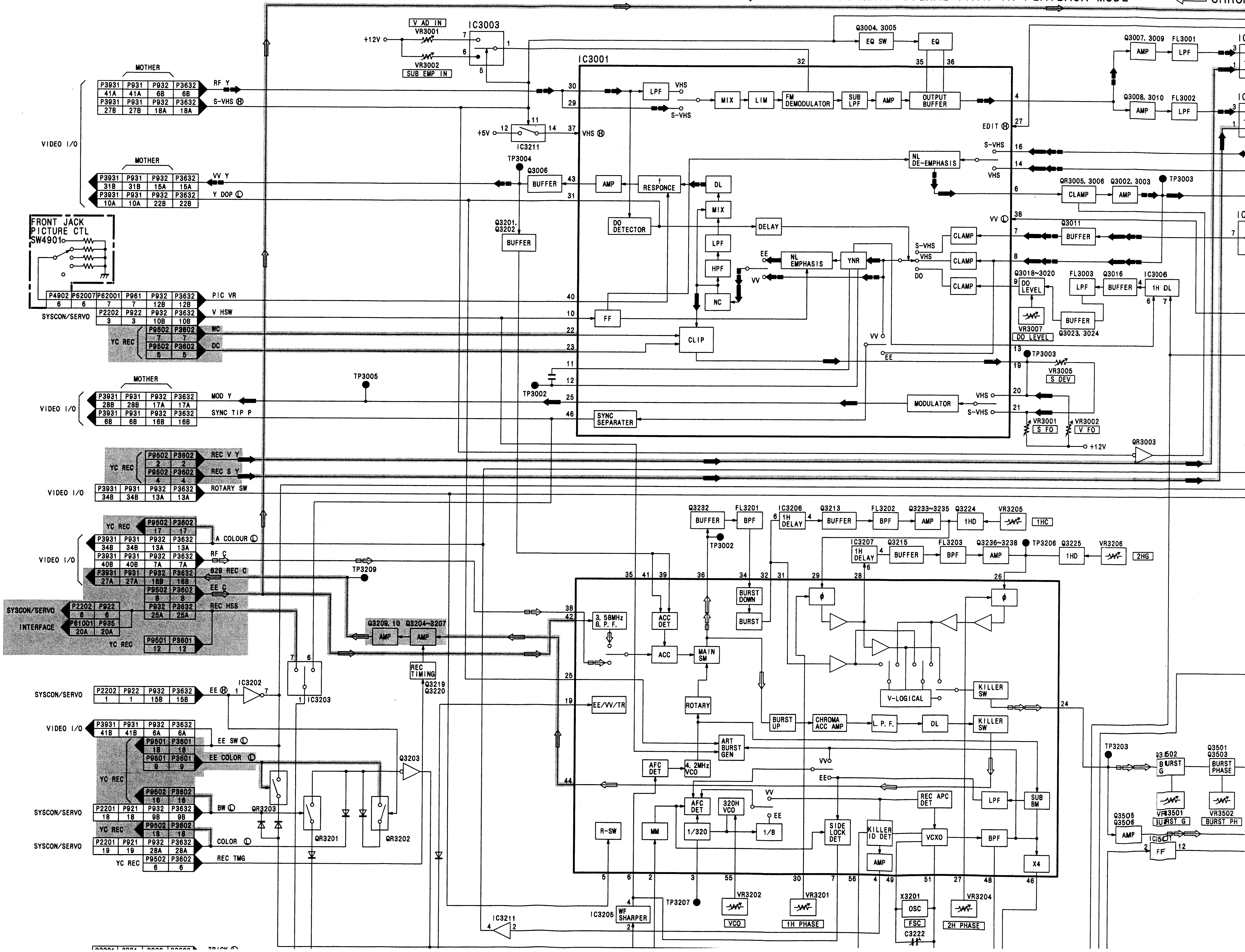
IC2001
IC2013
IC2703
IC2703-1
IC2703-2
IC2703-17
13.5Vp-p
IC2703-8
0.3Vp-p
IC2703-9
5.6msec
TORQUE CONTROL
DIFFERENTIAL AMP
PG/FG
POSITION DET
SCHMIT
M1
M2
M3
P2701
MOTOR 14V
+5V
VM
VH+
HE-
HE+
HALL IC
HCM
HEM
DD CYLINDER MOTOR
VR2001
PG SHIFTER
IC2006
AMP
IC2007
REF SIGNAL GEN
IC2008
PB FRAMING SIGNAL GEN
REF OSC
X2002
IC2012
IC2009
CAP VM
CAP FB
SYSTEM CONTROL
IC2709
IC2710
FG PULSE GENE
IC2711
FG AMP
P2702
IC2704 ① ③ ㉓
2.5Vp-p
DD CAPSTAN MOTOR
FG1
FG2
90° PHASE DIFFERENCE
H3-
H3+
H2-
H2+
H1-
H1+
IC2406
RESET
REF CTL
XOUT
XIN
X2401
OSC
M NORMAL
M WIDE
CO WIDE
C1 WIDE
V EE
CTL
4P (H)
RSW
RCTL
M NORMAL Ⓗ
M WIDE Ⓗ
CO WIDE (L)
C1 WIDE (L)
IC2401
IC2402
IC2403
IC2404
IC2405
+B
IC2704
(CAP DRIVE)
MOTOR CURRENT IS FEED BACK TO THE TORQUE CONTROL
MOTOR DRIVE
RIPPLE CANCEL
TORQUE CONTROL
DIFFERENTIAL AMPLIFIER
POSITION SIGNAL PROCESS
TORQUE DIRECTION
CAP REVERSE (H)
CAP STOP (M)
CAP FORWARD (L)
IC2707
IC2708
PULSE GENE
IC2705, IC2706
WAVE FORM SHARPER & AMP
QR2701
MOTHER
P2203
P923
P935
P61001
INTERFACE

IC2001

PIN	FUNCTION	FUNCTION	PIN
1	REC CTL	GND	29
2	SERIAL CLOCK		31
3	SERIAL DATA	+5V	32
4	OSC	CYL ET	34
6	RESET	V SYNC	36
8	V HSW CHG1	GND	37
10	GND		41
11	HEAD SW		42
			45
13	EXT SW	+5V	46
14	FRAME ON	GND	47
15	V HSW CHG2	GND	50
16	LINE	GND	53
18	INCOME DET	PM FRM	55
19	+5V	+5V	59
20	ODD/EVEN	CYL PFG	61
21	+5V	PG	62

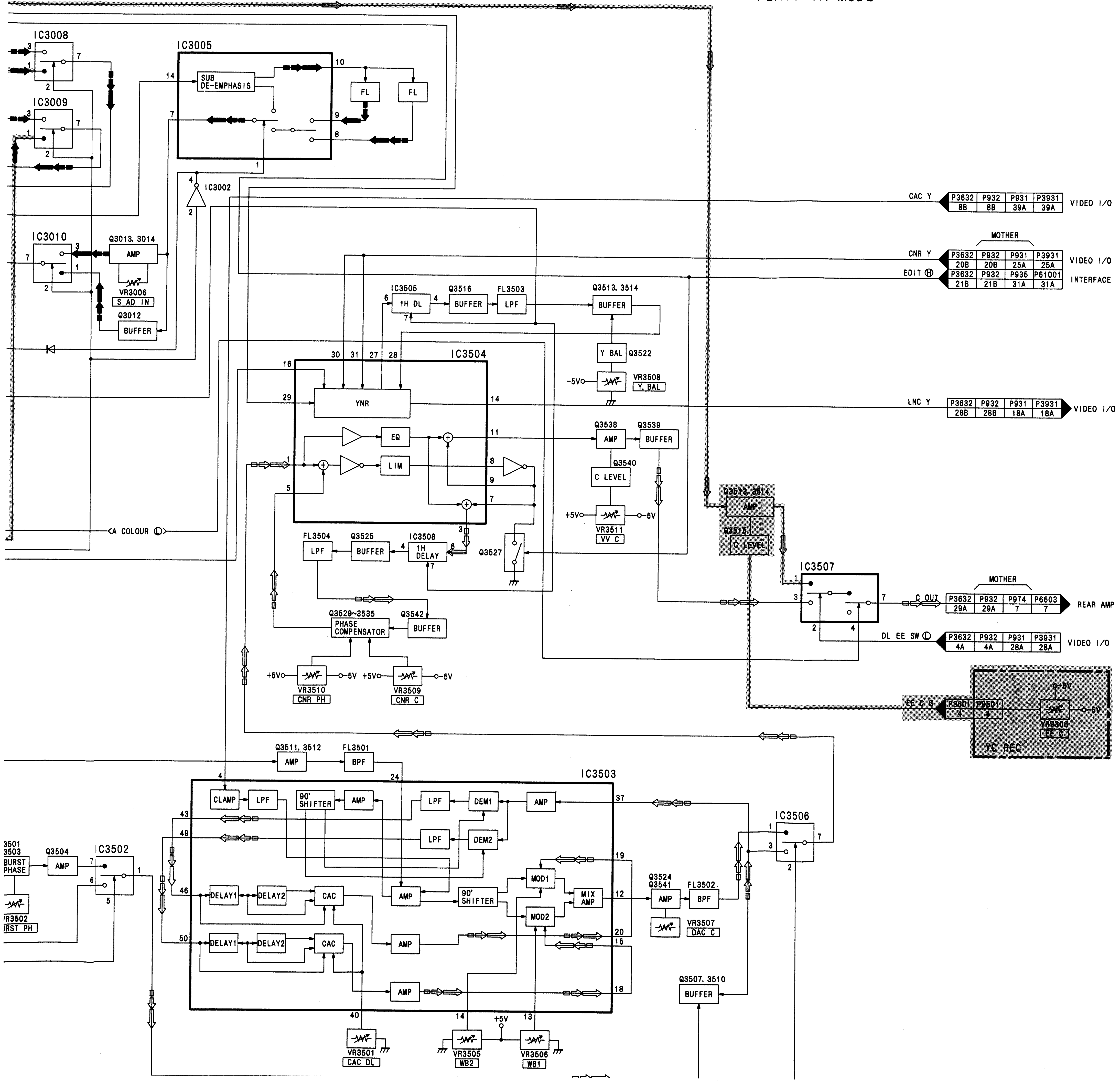
VIDEO YC BLOCK DIAGRAM

LUMINANCE MAIN SIGNAL PATH IN REC MODE
LUMINANCE MAIN SIGNAL PATH IN PLAYBACK MODE
CHRO

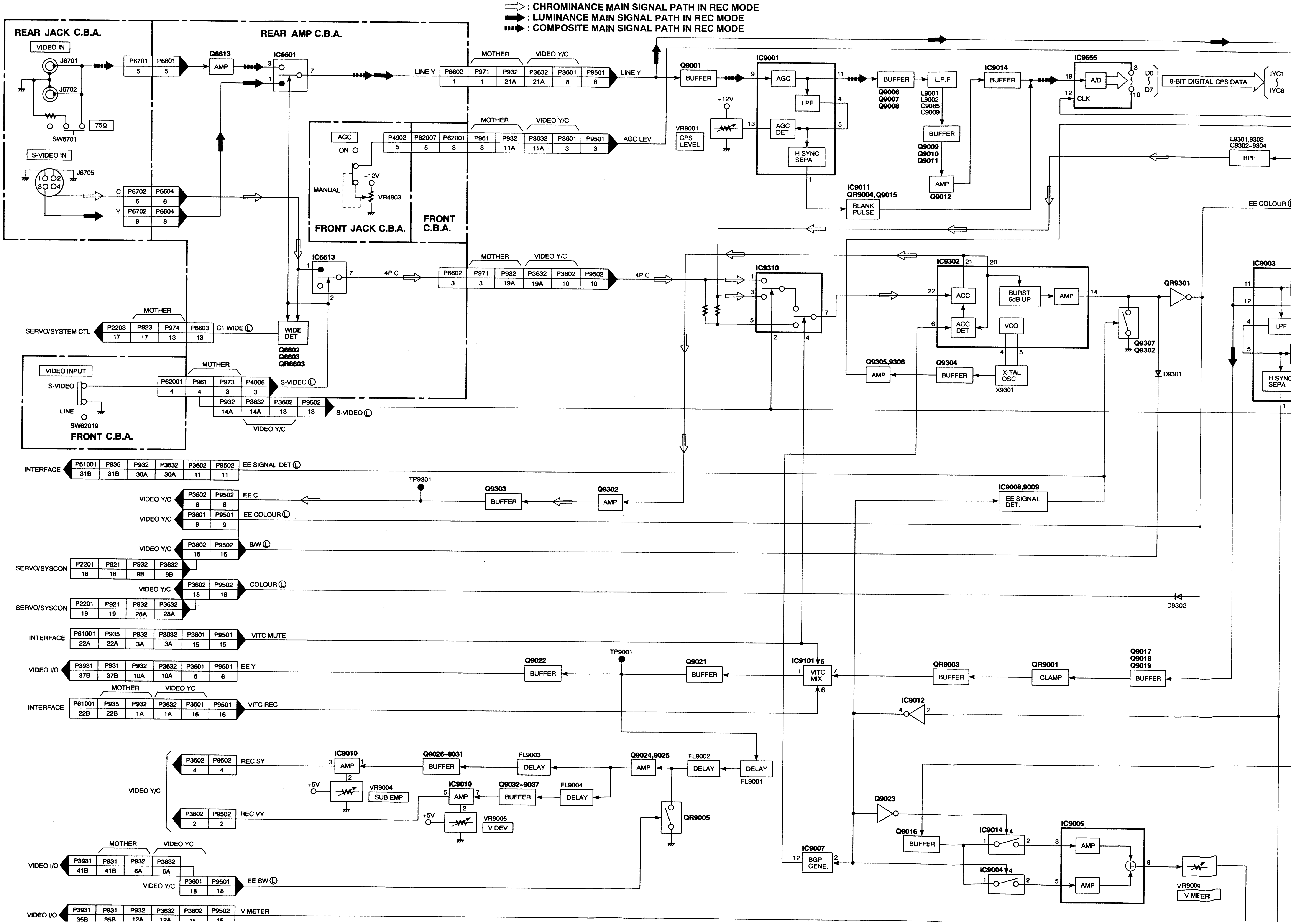


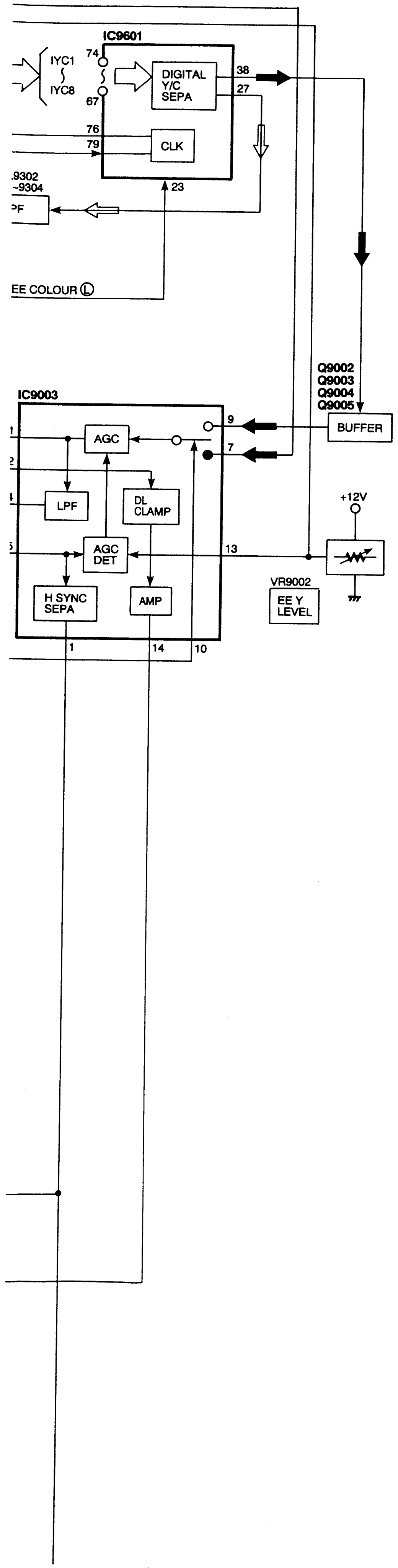
IC3003
V AD IN
VR3001
VR3002
SUB EMP IN
+12V
IC3001
Q3004, 3005
EQ SW
EQ
OUTPUT BUFFER
LPF
VHS
S-VHS
MIX
LIM
FM DEMODULATOR
SUB LPF
AMP
EDIT Ⓗ
NL DE-EMPHASIS
IC3211
+5V
VHS Ⓗ
TP3004
Q3006
BUFFER
f RESPONCE
DL
DO DETECTOR
DELAY
HPF
NC
EE
NL EMPHASIS
YNR
VV
CLAMP
DO
Q3201, Q3202
FF
CLIP
MODULATOR
SYNC SEPARATER
TP3002
TP3005
TP3003
VR3005
S DEV
VR3001
S FO
VR3002
V FO
QR3005, 3006
Q3002, 3003
Q3011
Q3018~3020
DO LEVEL
VR3007
FL3003
Q3016
IC3006
1H DL
Q3023, 3024
Q3007, 3009
FL3001
Q3008, 3010
FL3002
QR3003
MOTHER
VIDEO I/O
RF Y
S-VHS Ⓗ
VV Y
Y DOP Ⓛ
FRONT JACK PICTURE CTL SW4901
PIC VR
V HSW
SYSCON/SERVO
YC REC
WC
DC
MOD Y
SYNC TIP P
REC V Y
REC S Y
ROTARY SW
A COLOUR Ⓛ
RF C
629 REC C
EE C
REC HSS
INTERFACE
TP3209
Q3209, 10
Q3204~3207
REC TIMING
Q3219
Q3220
IC3202
IC3203
EE Ⓗ
EE SW Ⓛ
EE COLOR Ⓛ
BW Ⓛ
COLOR Ⓛ
REC TMG
Q3203
QR3203
QR3201
QR3202
Q3232
FL3201
BPF
IC3206
1H DELAY
Q3213
FL3202
Q3233~3235
Q3224
1HD
VR3205
1HC
IC3207
Q3215
FL3203
Q3236~3238
TP3206
Q3225
VR3206
2HG
3.58MHz B.P.F.
ACC DET
ACC
MAIN SM
BURST DOWN
BURST
ϕ
V-LOGICAL
KILLER SW
EE/VV/TR
ROTARY
BURST UP
CHROMA ACC AMP
L.P.F.
ART BURST GEN
AFC DET
4.2MHz VCO
320H VCO
1/320
1/8
R-SW
MM
SIDE LOCK DET
KILLER ID DET
REC APC DET
VCXO
SUB BM
X4
VR3202
VCO
VR3201
1H PHASE
X3201
OSC
FSC
C3222
VR3204
2H PHASE
TP3207
IC3205
WF SHARPER
TP3203
Q3502
BURST G
Q3501
Q3503
BURST PHASE
VR3501
VR3502
BURST PH
Q3505
Q3506
IC3501
P3931
P931
P932
P3632
P4902
P62007
P62001
P961
P2202
P922
P9502
P3602
P61001
P935
P9501
P3601
P2201
P921
TRICK Ⓛ

HROMINANCE MAIN SIGNAL PATH IN REC MODE ⇦ CHROMINANCE MAIN SIGNAL PATH IN PLAYBACK MODE


IC3008
IC3009
IC3005
SUB DE-EMPHASIS
FL
FL
IC3002
IC3010
Q3013, 3014
AMP
VR3006
S AD IN
Q3012
BUFFER
IC3505
1H DL
Q3516
BUFFER
FL3503
LPF
Q3513, 3514
BUFFER
Y BAL
Q3522
VR3508
Y. BAL
-5V
IC3504
YNR
EQ
LIM
Q3538
AMP
Q3539
BUFFER
Q3540
C LEVEL
VR3511
VV C
+5V
-5V
<A COLOUR Ⓛ>
FL3504
LPF
Q3525
BUFFER
IC3508
1H DELAY
Q3527
Q3529~3535
PHASE COMPENSATOR
Q3542
BUFFER
VR3510
CNR PH
VR3509
CNR C
CAC Y
P3632 8B | P932 8B | P931 39A | P3931 39A
VIDEO I/O
MOTHER
CNR Y
P3632 20B | P932 20B | P931 25A | P3931 25A
VIDEO I/O
EDIT Ⓗ
P3632 21B | P932 21B | P935 31A | P61001 31A
INTERFACE
LNC Y
P3632 28B | P932 28B | P931 18A | P3931 18A
VIDEO I/O
Q3513, 3514
AMP
Q3515
C LEVEL
IC3507
C OUT
MOTHER
P3632 29A | P932 29A | P974 7 | P6603 7
REAR AMP
DL EE SW Ⓛ
P3632 4A | P932 4A | P931 28A | P3931 28A
VIDEO I/O
EE C G
P3601 4 | P9501 4
+5V
-5V
VR9303
EE C
YC REC
Q3511, 3512
AMP
FL3501
BPF
IC3503
CLAMP
LPF
90° SHIFTER
AMP
LPF
DEM1
AMP
LPF
DEM2
DELAY1
DELAY2
CAC
AMP
90° SHIFTER
MOD1
MOD2
MIX AMP
DELAY1
DELAY2
CAC
AMP
AMP
IC3506
Q3524
Q3541
AMP
FL3502
BPF
VR3507
DAC C
Q3507, 3510
BUFFER
3501
3503
BURST PHASE
Q3504
AMP
IC3502
VR3502
RST PH
VR3501
CAC DL
VR3505
WB2
+5V
VR3506
WB1

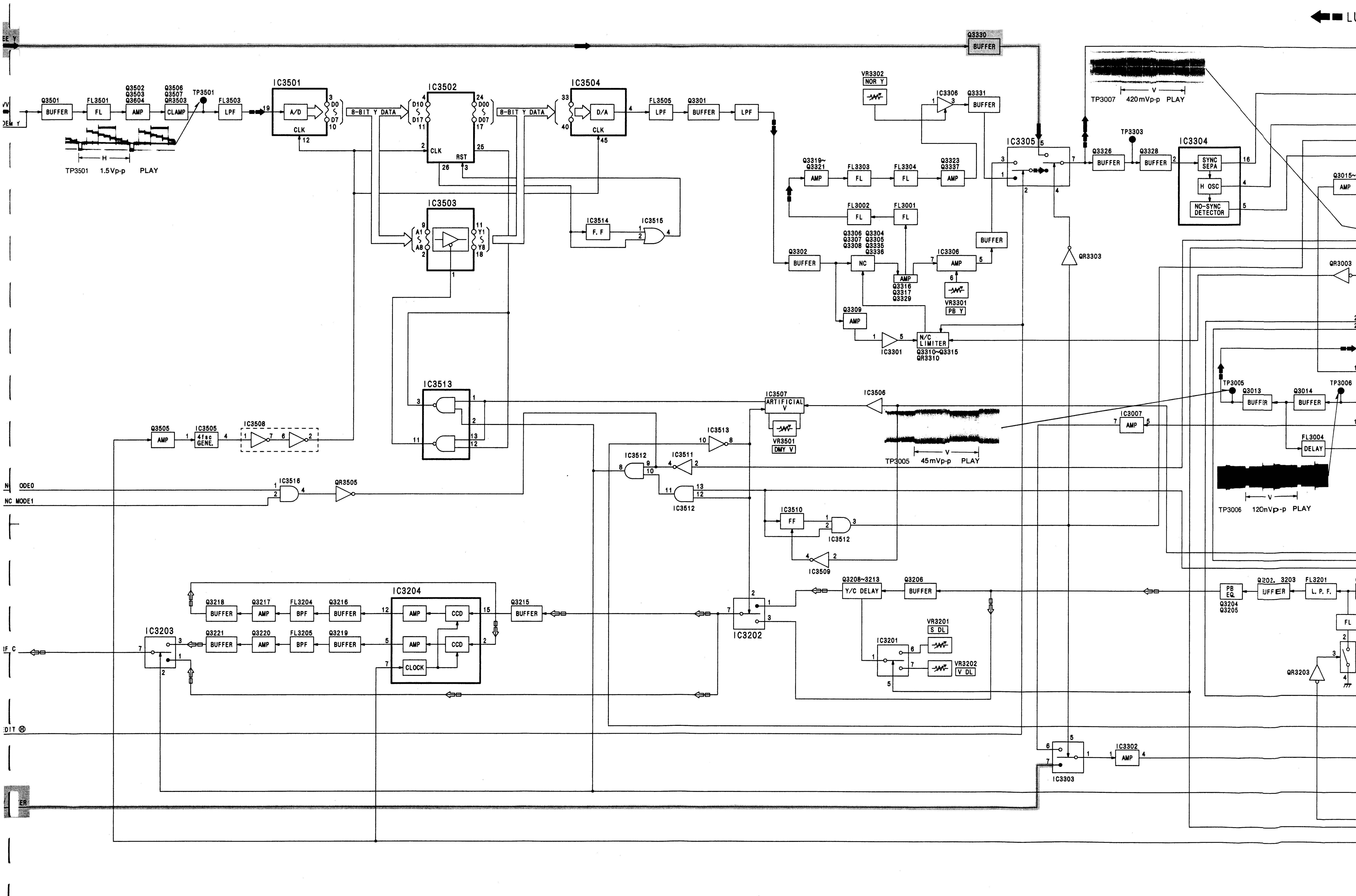
YC REC BLOCK DIAGRAM


⇨ : CHROMINANCE MAIN SIGNAL PATH IN REC MODE
➡ : LUMINANCE MAIN SIGNAL PATH IN REC MODE
➡ : COMPOSITE MAIN SIGNAL PATH IN REC MODE
REAR JACK C.B.A.
REAR AMP C.B.A.
VIDEO IN
J6701
J6702
75Ω
SW6701
S-VIDEO IN
J6705
C
Y
P6701 5
P6601 5
P6702 6
P6604 6
P6702 8
P6604 8
Q6613
AMP
IC6601
LINE Y
MOTHER
VIDEO Y/C
P6602 1
P971 1
P932 21A
P3632 21A
P3601 8
P9501 8
AGC
ON
MANUAL
+12V
VR4903
FRONT JACK C.B.A.
FRONT C.B.A.
P4902 5
P62007 5
P62001 3
P961 3
P932 11A
P3632 11A
P3601 3
P9501 3
AGC LEV
IC6613
4P C
P6602 3
P971 3
P932 19A
P3632 19A
P3602 10
P9502 10
SERVO/SYSTEM CTL
P2203 17
P923 17
P974 13
P6603 13
C1 WIDE Ⓛ
WIDE DET
Q6602
Q6603
QR6603
VIDEO INPUT
S-VIDEO
LINE
SW62019
FRONT C.B.A.
P62001 4
P961 4
P973 3
P4006 3
S-VIDEO Ⓛ
P932 14A
P3632 14A
P3602 13
P9502 13
S-VIDEO Ⓛ
Q9001
BUFFER
VR9001
CPS LEVEL
+12V
IC9001
AGC
LPF
AGC DET
H SYNC SEPA
BUFFER
Q9006
Q9007
Q9008
L.P.F
L9001
L9002
C9085
C9009
BUFFER
Q9009
Q9010
Q9011
AMP
Q9012
IC9011
QR9004,Q9015
BLANK PULSE
IC9014
BUFFER
IC9655
A/D
CLK
D0
D7
8-BIT DIGITAL CPS DATA
IYC1
IYC8
L9301,9302
C9302~9304
BPF
EE COLOUR
IC9310
IC9302
ACC
ACC DET
BURST 6dB UP
AMP
VCO
X-TAL OSC
X9301
Q9305,9306
AMP
Q9304
BUFFER
QR9301
Q9307
Q9302
D9301
IC9003
LPF
H SYNC SEPA
INTERFACE
P61001 31B
P935 31B
P932 30A
P3632 30A
P3602 11
P9502 11
EE SIGNAL DET Ⓛ
TP9301
Q9303
BUFFER
Q9302
AMP
VIDEO Y/C
P3602 8
P9502 8
EE C
VIDEO Y/C
P3601 9
P9501 9
EE COLOUR Ⓛ
IC9008,9009
EE SIGNAL DET.
VIDEO Y/C
P3602 16
P9502 16
B/W Ⓛ
SERVO/SYSCON
P2201 18
P921 18
P932 9B
P3632 9B
VIDEO Y/C
P3602 18
P9502 18
COLOUR Ⓛ
SERVO/SYSCON
P2201 19
P921 19
P932 28A
P3632 28A
D9302
INTERFACE
P61001 22A
P935 22A
P932 3A
P3632 3A
P3601 15
P9501 15
VITC MUTE
VIDEO I/O
P3931 37B
P931 37B
P932 10A
P3632 10A
P3601 6
P9501 6
EE Y
Q9022
BUFFER
TP9001
Q9021
BUFFER
IC9101
VITC MIX
QR9003
BUFFER
QR9001
CLAMP
Q9017
Q9018
Q9019
BUFFER
INTERFACE
MOTHER
VIDEO YC
P61001 22B
P935 22B
P932 1A
P3632 1A
P3601 16
P9501 16
VITC REC
IC9012
VIDEO Y/C
P3602 4
P9502 4
REC SY
IC9010
AMP
+5V
VR9004
SUB EMP
Q9026~9031
BUFFER
FL9003
DELAY
Q9024,9025
AMP
FL9002
DELAY
DELAY
FL9001
IC9010
AMP
Q9032~9037
BUFFER
FL9004
DELAY
P3602 2
P9502 2
REC VY
+5V
VR9005
V DEV
QR9005
Q9023
Q9016
BUFFER
IC9014
IC9004
IC9005
AMP
AMP
VR9003
V METER
IC9007
BGP GENE.
VIDEO I/O
MOTHER
VIDEO YC
P3931 41B
P931 41B
P932 6A
P3632 6A
VIDEO Y/C
P3601 18
P9501 18
EE SW Ⓛ
VIDEO I/O
P3931 35B
P931 35B
P932 12A
P3632 12A
P3602 15
P9502 15
V METER


IC9601
74
IYC1
IYC8
67
DIGITAL Y/C SEPA
38
27
76
79
CLK
23
.9302
~9304
PF
EE COLOUR Ⓛ
Q9002
Q9003
Q9004
Q9005
BUFFER
IC9003
9
7
AGC
LPF
DL CLAMP
+12V
AGC DET
13
H SYNC SEPA
AMP
VR9002
EE Y LEVEL
1
14
10

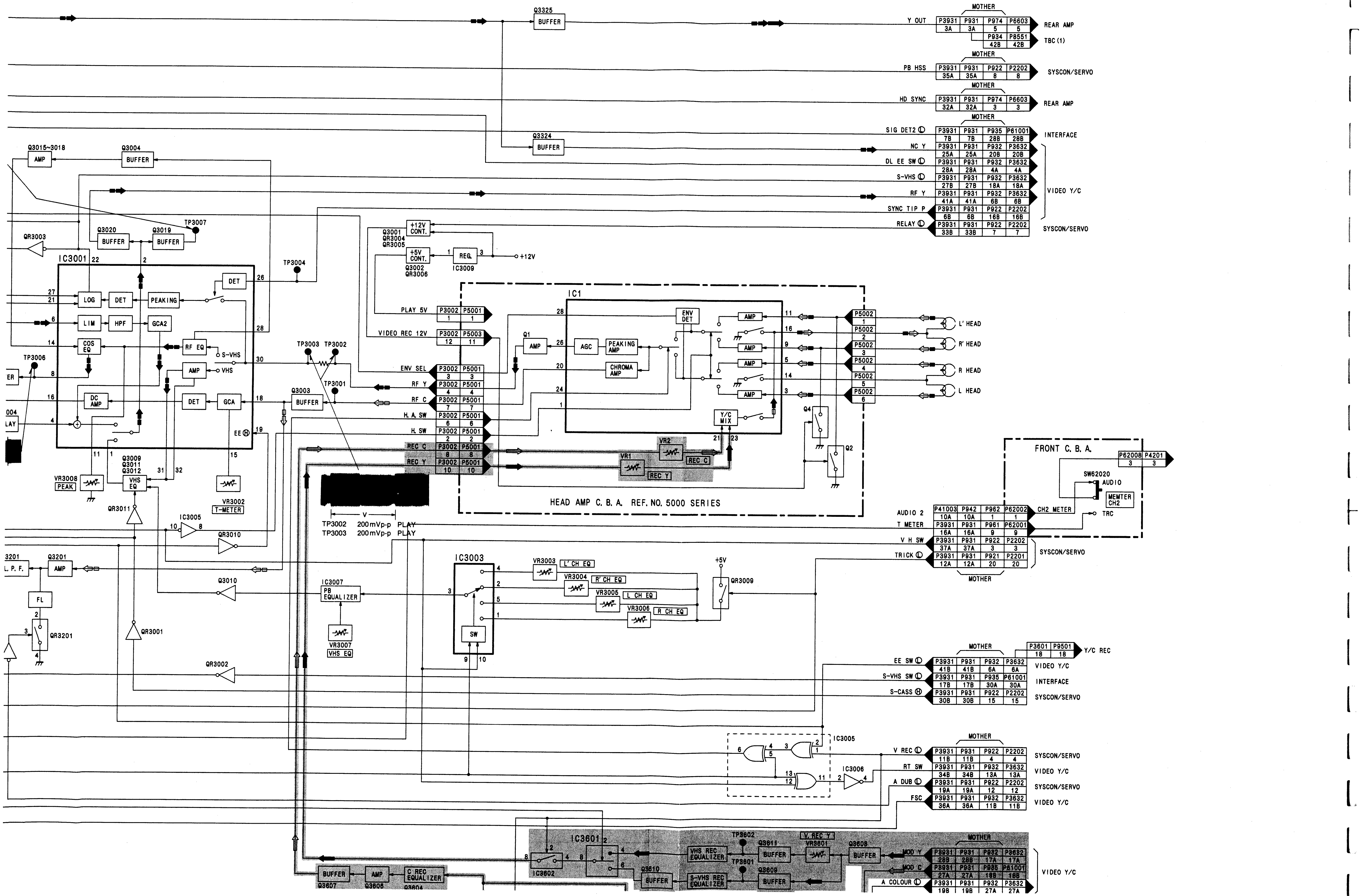
MEMO

DIAGRAM

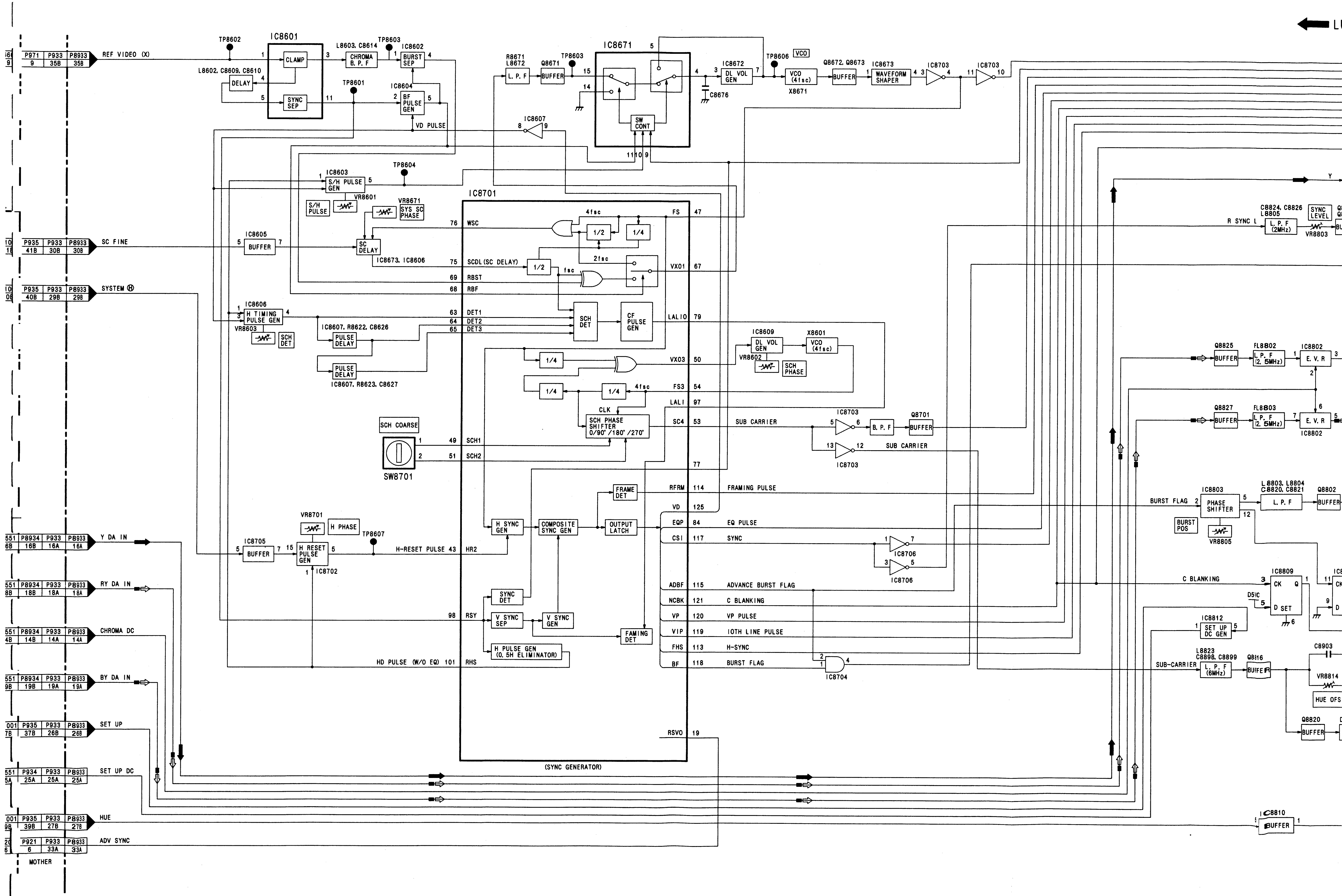


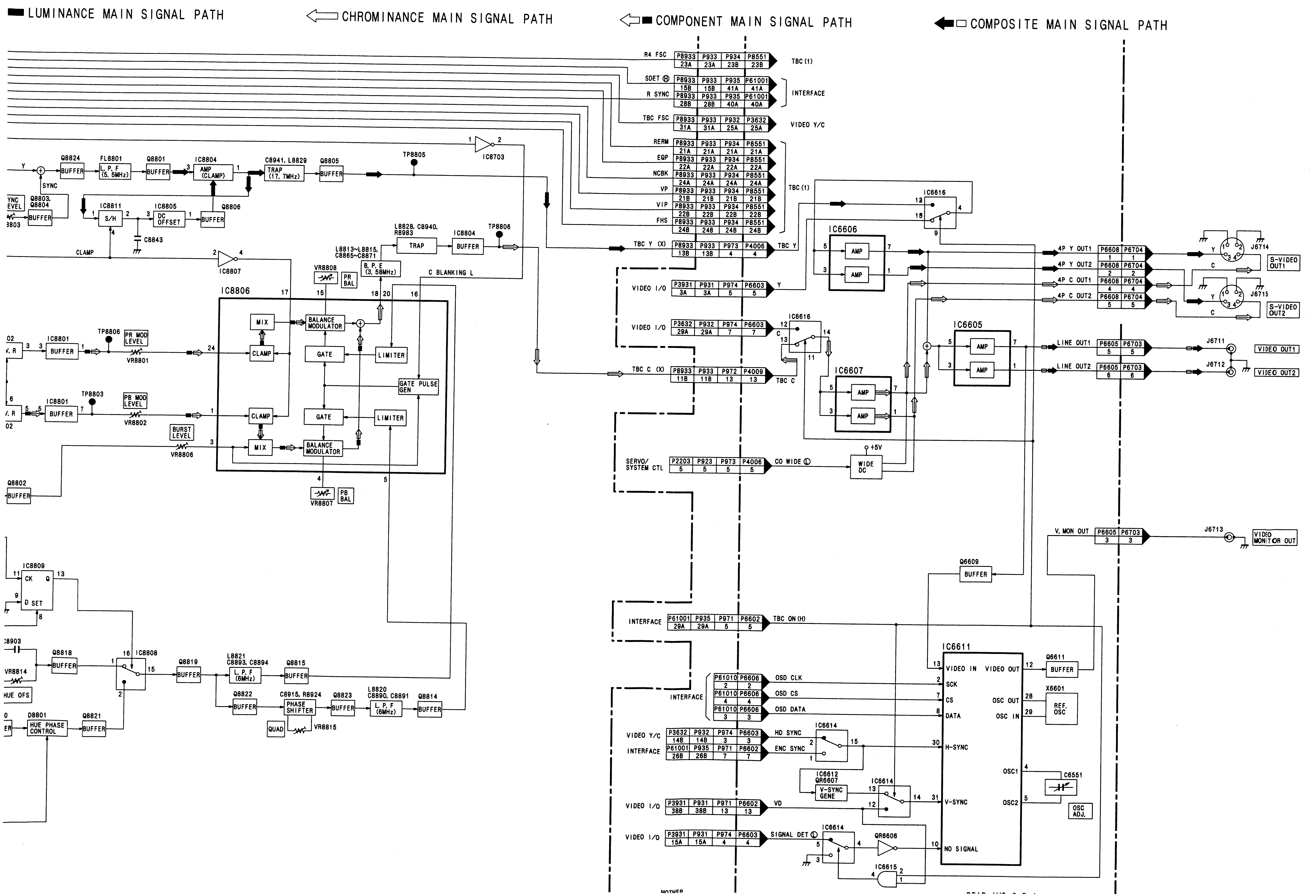
Q3330 BUFFER
Q3501 BUFFER
FL3501 FL
Q3502 Q3503 Q3604 AMP
Q3506 Q3507 QR3503 CLAMP
TP3501
FL3503 LPF
TP3501 1.5Vp-p PLAY
IC3501 A/D CLK
IC3502 CLK RST
8-BIT Y DATA
IC3503
IC3504 D/A CLK
FL3505 LPF
Q3301 BUFFER
LPF
IC3514 F. F
IC3515
VR3302 NOR Y
IC3306
Q3331 BUFFER
Q3319~Q3321 AMP
FL3303 FL
FL3304 FL
Q3323 Q3337 AMP
FL3002 FL
FL3001 FL
Q3306 Q3307 Q3308
Q3304 Q3305 Q3335 Q3336
Q3302 BUFFER
NC
AMP Q3316 Q3317 Q3329
IC3306 AMP
VR3301 PB Y
BUFFER
Q3309 AMP
IC3301
N/C LIMITER Q3310~Q3315 QR3310
IC3305
QR3303
TP3007 420mVp-p PLAY
TP3303
Q3326 BUFFER
Q3328 BUFFER
IC3304 SYNC SEPA H OSC NO-SYNC DETECTOR
Q3015~ AMP
QR3003
IC3513
Q3505 AMP
IC3505 4fsc GENE.
IC3508
IC3507 ARTIFICIAL V
VR3501 DMY V
IC3506
TP3005 45mVp-p PLAY
IC3513
IC3512
IC3511
IC3516
QR3505
ODEO
NC MODE1
IC3510 FF
IC3509
TP3005
Q3013 BUFFER
Q3014 BUFFER
TP3006
IC3007 AMP
FL3004 DELAY
TP3006 120mVp-p PLAY
IC3204 AMP CCD AMP CCD CLOCK
Q3218 BUFFER
Q3217 AMP
FL3204 BPF
Q3216 BUFFER
Q3215 BUFFER
IC3203
Q3221 BUFFER
Q3220 AMP
FL3205 BPF
Q3219 BUFFER
IC3202
Q3208~3213 Y/C DELAY
Q3206 BUFFER
PB EQ Q3204 Q3205
Q3202, 3203 BUFFER
FL3201 L. P. F.
FL
VR3201 S DL
VR3202 V DL
IC3201
QR3203
IC3303
IC3302 AMP
IF C
DIT ⊕

◀■ LUMINANCE MAIN SIGNAL PATH IN REC MODE
◀■■ LUMINANCE MAIN SIGNAL PATH IN PLAYBACK MODE
◁ CHROMINANCE MAIN SIGNAL PATH IN REC MODE
◁□ CHROMINANCE MAIN SIGNAL PATH IN PLAYBACK MODE
◀□ COMPOSITE MAIN SIGNAL PATH IN REC MODE
◁■ COMPOSITE MAIN SIGNAL PATH IN PLAYBACK MODE

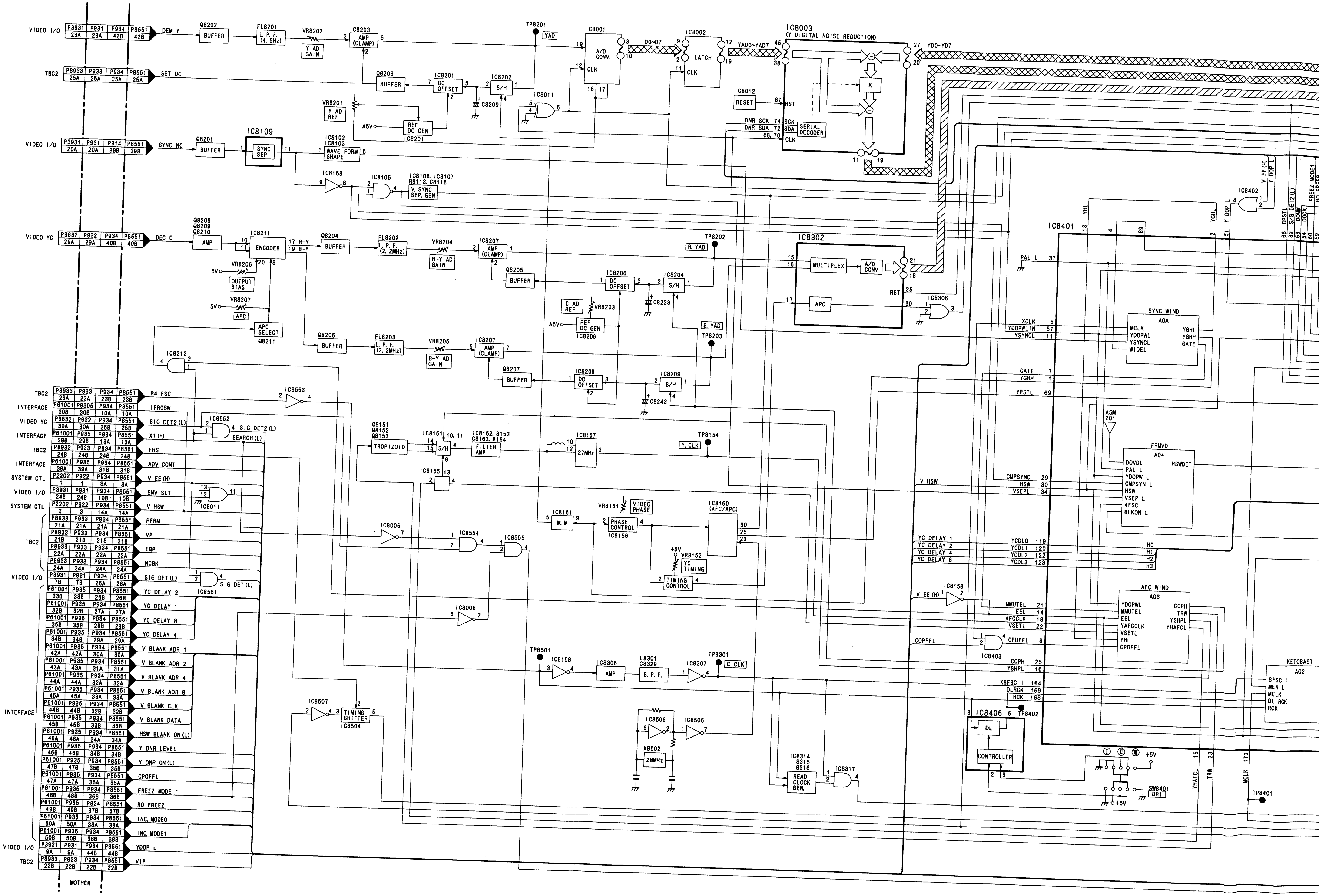

Q3325
BUFFER
Y OUT
MOTHER
P3931 3A
P931 3A
P974 5
P6603 5
P934 42B
P8551 42B
REAR AMP
TBC (1)
PB HSS
P3931 35A
P931 35A
P922 8
P2202 8
SYSCON/SERVO
HD SYNC
P3931 32A
P931 32A
P974 3
P6603 3
REAR AMP
SIG DET2 Ⓛ
P3931 7B
P931 7B
P935 28B
P61001 28B
INTERFACE
Q3324
BUFFER
NC Y
P3931 25A
P931 25A
P932 20B
P3632 20B
DL EE SW Ⓛ
P3931 28A
P931 28A
P932 4A
P3632 4A
S-VHS Ⓛ
P3931 27B
P931 27B
P932 18A
P3632 18A
RF Y
P3931 41A
P931 41A
P932 6B
P3632 6B
VIDEO Y/C
SYNC TIP P
P3931 6B
P931 6B
P922 16B
P2202 16B
RELAY Ⓛ
P3931 33B
P931 33B
P922 7
P2202 7
SYSCON/SERVO
Q3015~3018
AMP
Q3004
BUFFER
QR3003
Q3020
BUFFER
Q3019
BUFFER
TP3007
IC3001
LOG
DET
PEAKING
DET
LIM
HPF
GCA2
COS EQ
RF EQ
S-VHS
AMP
VHS
DC AMP
DET
GCA
EE Ⓗ
TP3006
TP3004
Q3001
QR3004
QR3005
+12V CONT.
+5V CONT.
Q3002
QR3006
REG.
IC3009
+12V
PLAY 5V
VIDEO REC 12V
ENV SEL
RF Y
RF C
H. A. SW
H. SW
REC C
REC Y
P3002
P5001
P5003
TP3003
TP3002
TP3001
Q3003
BUFFER
IC1
Q1
AMP
AGC
PEAKING AMP
CHROMA AMP
ENV DET
AMP
Y/C MIX
VR1
REC Y
VR2
REC C
Q4
Q2
P5002
L' HEAD
R' HEAD
R HEAD
L HEAD
HEAD AMP C. B. A. REF. NO. 5000 SERIES
TP3002 200mVp-p PLAY
TP3003 200mVp-p PLAY
V
VR3008
PEAK
Q3009
Q3011
Q3012
VHS EQ
VR3002
T-METER
QR3011
IC3005
QR3010
Q3201
AMP
L. P. F.
FL
QR3201
Q3010
QR3001
QR3002
IC3007
PB EQUALIZER
VR3007
VHS EQ
IC3003
SW
VR3003
L' CH EQ
VR3004
R' CH EQ
VR3005
L CH EQ
VR3006
R CH EQ
+5V
QR3009
FRONT C. B. A.
P62008 3
P4201 3
SW62020
AUDIO
MEMTER CH2
TRC
CH2 METER
AUDIO 2
P41003 10A
P942 10A
P962 1
P62002 1
T METER
P3931 16A
P931 16A
P961 9
P62001 9
V H SW
P3931 37A
P931 37A
P922 3
P2202 3
TRICK Ⓛ
P3931 12A
P931 12A
P921 20
P2201 20
SYSCON/SERVO
MOTHER
P3601 18
P9501 18
Y/C REC
EE SW Ⓛ
P3931 41B
P931 41B
P932 6A
P3632 6A
VIDEO Y/C
S-VHS SW Ⓛ
P3931 17B
P931 17B
P935 30A
P61001 30A
INTERFACE
S-CASS Ⓗ
P3931 30B
P931 30B
P922 15
P2202 15
SYSCON/SERVO
IC3005
IC3006
V REC Ⓛ
P3931 11B
P931 11B
P922 4
P2202 4
SYSCON/SERVO
RT SW
P3931 34B
P931 34B
P932 13A
P3632 13A
VIDEO Y/C
A DUB Ⓛ
P3931 19A
P931 19A
P922 12
P2202 12
SYSCON/SERVO
FSC
P3931 36A
P931 36A
P932 11B
P3632 11B
VIDEO Y/C
IC3601
IC3602
TP3602
TP3601
VHS REC EQUALIZER
S-VHS REC EQUALIZER
Q3611
BUFFER
Q3609
BUFFER
Q3610
BUFFER
V. REC Y
VR3601
Q3608
BUFFER
MOD Y
P3931 28B
P931 28B
P932 17A
P3632 17A
MOD C
P3931 27A
P931 27A
P935 16B
P61001 16B
A COLOUR Ⓛ
P3931 19B
P931 19B
P932 27A
P3632 27A
VIDEO Y/C
BUFFER
Q3607
AMP
Q3605
C REC EQUALIZER
Q3604

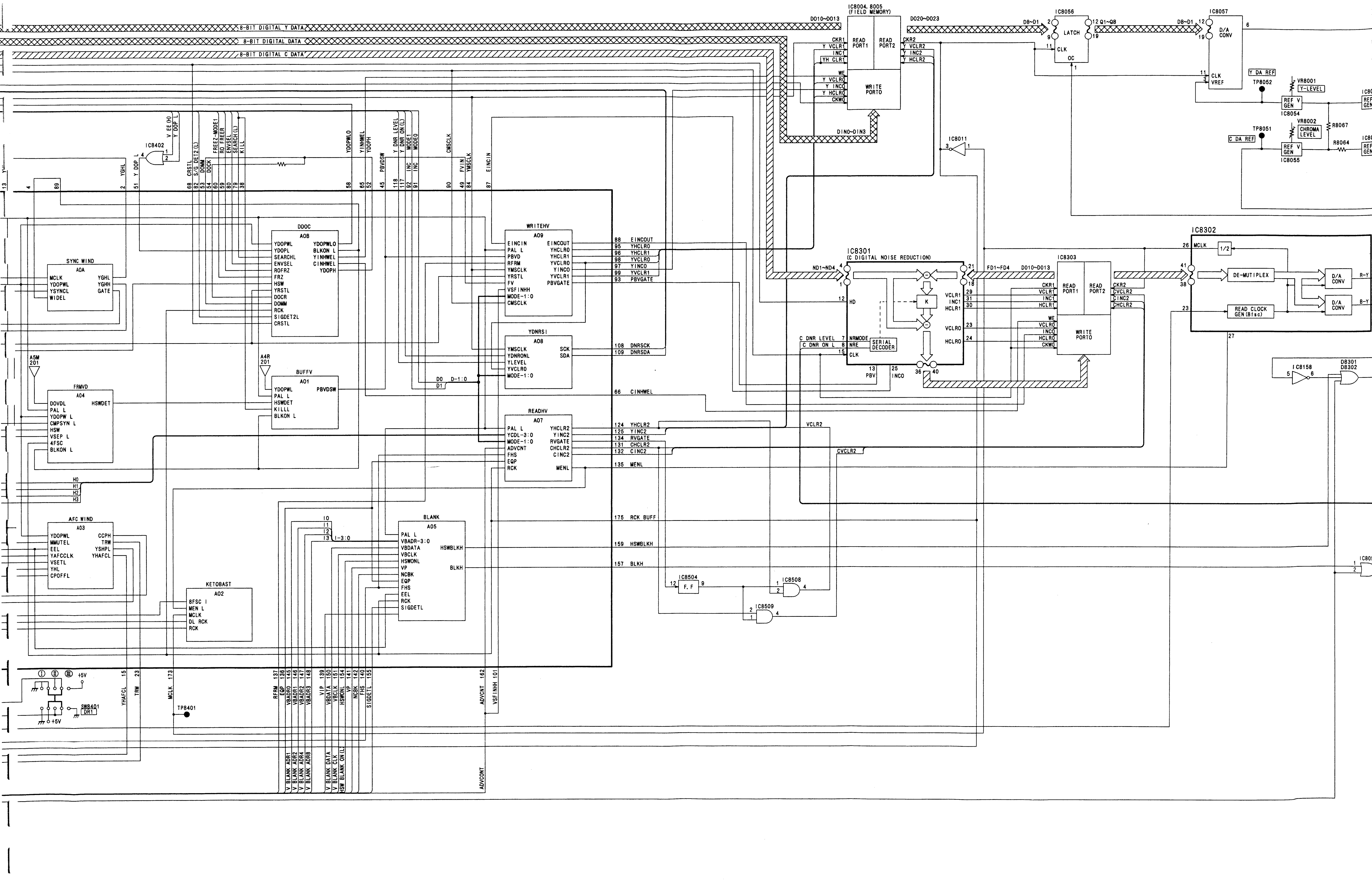
.AGRAM

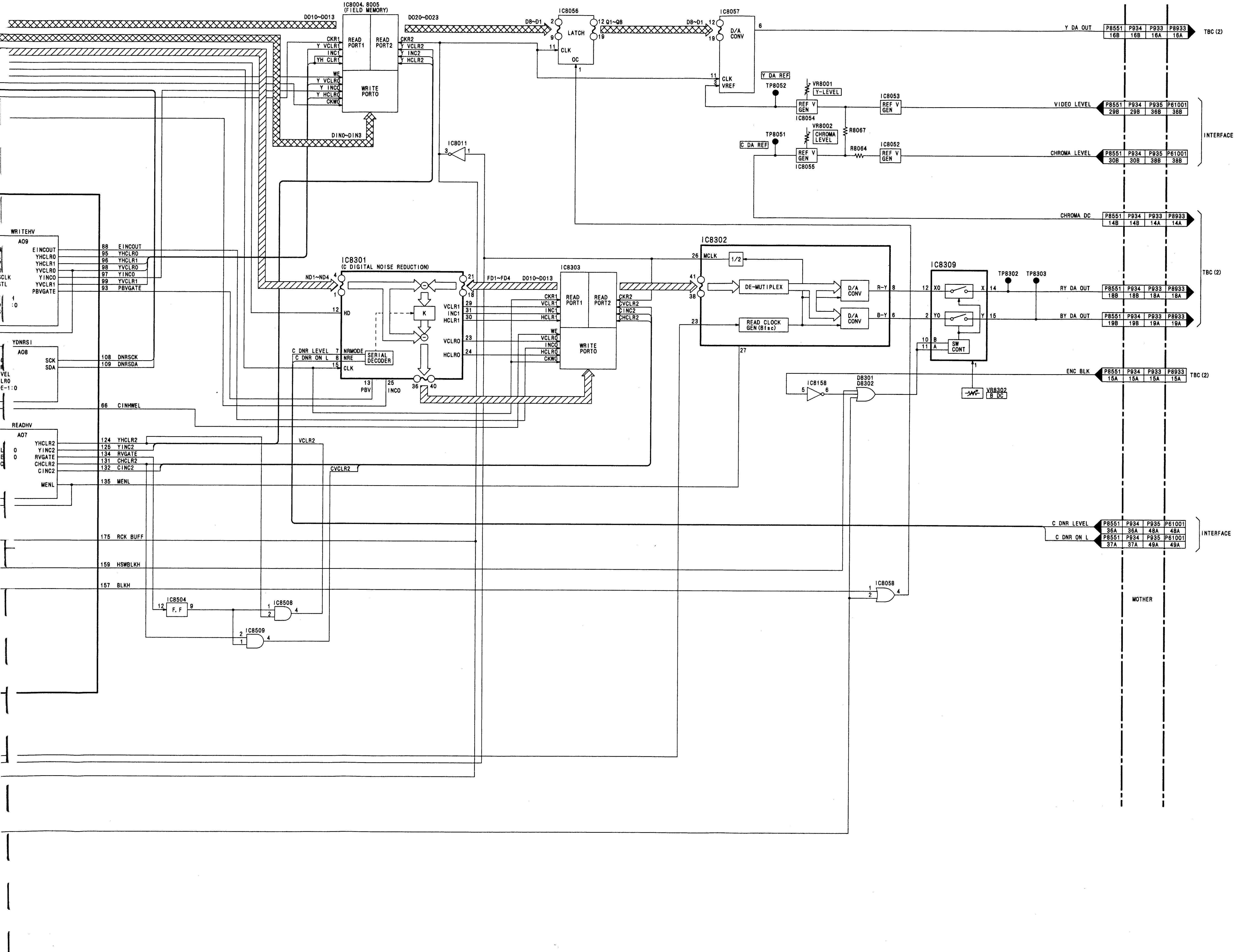

REF VIDEO (X)
SC FINE
SYSTEM Ⓡ
Y DA IN
RY DA IN
CHROMA DC
BY DA IN
SET UP
SET UP DC
HUE
ADV SYNC
MOTHER
P971 9
P933 35B
P8933 35B
P935 41B
P933 30B
P8933 30B
P935 40B
P933 29B
P8933 29B
P8934 16B
P933 16A
P8933 16A
P8934 18B
P933 18A
P8933 18A
P8934 14B
P933 14A
P8933 14A
P8934 19B
P933 19A
P8933 19A
P935 37B
P933 26B
P8933 26B
P934 25A
P933 25A
P8933 25A
P935 39B
P933 27B
P8933 27B
P921 6
P933 33A
P8933 33A
TP8602
IC8601
CLAMP
DELAY
SYNC SEP
L8602, C8609, C8610
L8603, C8614
CHROMA B. P. F
TP8603
IC8602
BURST SEP
TP8601
IC8604
BF PULSE GEN
VD PULSE
R8671 L8672
L. P. F
Q8671
BUFFER
IC8671
SW CONT
C8676
IC8672
DL VOL GEN
TP8606
VCO
VCO (4fsc)
X8671
Q8672, Q8673
BUFFER
IC8673
WAVEFORM SHAPER
IC8703
IC8607
IC8603
S/H PULSE GEN
S/H PULSE
VR8601
TP8604
VR8671
SYS SC PHASE
IC8605
BUFFER
SC DELAY
IC8673, IC8606
IC8701
WSC
SCDL (SC DELAY)
RBST
RBF
DET1
DET2
DET3
FS
VX01
LALIO
VX03
FS3
LALI
SC4
4fsc
1/2
1/4
2fsc
fsc
SCH DET
CF PULSE GEN
CLK
SCH PHASE SHIFTER 0/90°/180°/270°
SCH1
SCH2
SCH COARSE
SW8701
IC8606
H TIMING PULSE GEN
VR8603
SCH DET
IC8607, R8622, C8626
PULSE DELAY
IC8607, R8623, C8627
IC8609
DL VOL GEN
X8601
VCO (4fsc)
VR8602
SCH PHASE
SUB CARRIER
B. P. F
Q8701
BUFFER
IC8706
FRAME DET
RFRM
FRAMING PULSE
VD
EQP
EQ PULSE
CSI
SYNC
H SYNC GEN
COMPOSITE SYNC GEN
OUTPUT LATCH
VR8701
H PHASE
TP8607
IC8705
BUFFER
H RESET PULSE GEN
IC8702
H-RESET PULSE 43
HR2
SYNC DET
V SYNC SEP
V SYNC GEN
RSY
FAMING DET
H PULSE GEN (0. 5H ELIMINATOR)
HD PULSE (W/O EQ) 101
RHS
ADBF
ADVANCE BURST FLAG
NCBK
C BLANKING
VP
VP PULSE
VIP
1OTH LINE PULSE
FHS
H-SYNC
BF
BURST FLAG
IC8704
RSVO
(SYNC GENERATOR)
Y
R SYNC L
C8824, C8826 L8805
L. P. F (2MHz)
SYNC LEVEL
VR8803
Q8825
BUFFER
FL8802
L. P. F (2. 5MHz)
IC8802
E. V. R
Q8827
FL8803
IC8803
PHASE SHIFTER
BURST POS
VR8805
L8803, L8804 C8820, C8821
Q8802
C BLANKING
IC8809
CK Q
D SET
D5VC
IC8812
SET UP DC GEN
L8823 C8898, C8899
SUB-CARRIER
L. P. F (6MHz)
Q8816
BUFFER
C8903
VR8814
HUE OFS
Q8820
IC8810
BUFFER


LUMINANCE MAIN SIGNAL PATH
CHROMINANCE MAIN SIGNAL PATH
COMPONENT MAIN SIGNAL PATH
COMPOSITE MAIN SIGNAL PATH
R4 FSC
SDET Ⓗ
R SYNC
TBC FSC
REFM
EQP
NCBK
VP
VIP
FHS
P8933 23A P933 23A P934 23B P8551 23B
TBC (1)
P8933 15B P933 15B P935 41A P61001 41A
P8933 28B P933 28B P935 40A P61001 40A
INTERFACE
P8933 31A P933 31A P932 25A P3632 25A
VIDEO Y/C
P8933 21A P933 21A P934 21A P8551 21A
P8933 22A P933 22A P934 22A P8551 22A
P8933 24A P933 24A P934 24A P8551 24A
P8933 21B P933 21B P934 21B P8551 21B
P8933 22B P933 22B P934 22B P8551 22B
P8933 24B P933 24B P934 24B P8551 24B
TBC (1)
Y
SYNC
Q8824 BUFFER
FL8801 L. P. F (5. 5MHz)
Q8801 BUFFER
IC8804 AMP (CLAMP)
C8941, L8829 TRAP (17. 7MHz)
Q8805 BUFFER
TP8805
IC8703
Q8803, Q8804 BUFFER
IC8811 S/H
IC8805 DC OFFSET
Q8806 BUFFER
C8843
CLAMP
IC8807
L8828, C8940, R8983 TRAP
IC8804 BUFFER
TP8806
L8813~L8815, C8865~C8871
B. P. F (3. 58MHz)
VR8808
PR BAL
C BLANKING L
IC8806
MIX
BALANCE MODULATOR
CLAMP
GATE
LIMITER
GATE PULSE GEN
IC8801 BUFFER
TP8806
PR MOD LEVEL
VR8801
TP8803
PB MOD LEVEL
VR8802
BURST LEVEL
VR8806
VR8807
PB BAL
Q8802 BUFFER
IC8809
CK Q
D SET
C8903
Q8818 BUFFER
VR8814
HUE OFS
IC8808
Q8819 BUFFER
L8821 C8893, C8894 L. P. F (6MHz)
Q8815 BUFFER
Q8822 BUFFER
C8915, R8924 PHASE SHIFTER
QUAD
VR8815
Q8823 BUFFER
L8820 C8890, C8891 L. P. F (6MHz)
Q8814 BUFFER
D8801 HUE PHASE CONTROL
Q8821 BUFFER
TBC Y (X)
P8933 13B P933 13B P973 4 P4006 4
TBC Y
VIDEO I/O
P3931 3A P931 3A P974 5 P6603 5
Y
P3632 29A P932 29A P974 7 P6603 7
C
TBC C (X)
P8933 11B P933 11B P972 13 P4009 13
TBC C
SERVO/ SYSTEM CTL
P2203 5 P923 5 P973 5 P4006 5
CO WIDE Ⓛ
+5V
WIDE DC
IC6616
IC6606
AMP
IC6605
IC6607
4P Y OUT1
4P Y OUT2
4P C OUT1
4P C OUT2
P6608 1 P6704 1
P6608 2 P6704 2
P6608 4 P6704 4
P6608 5 P6704 5
J6714
S-VIDEO OUT1
J6715
S-VIDEO OUT2
LINE OUT1
LINE OUT2
P6605 5 P6703 5
P6605 6 P6703 6
J6711
VIDEO OUT1
J6712
VIDEO OUT2
V. MON OUT
P6605 3 P6703 3
J6713
VIDEO MONITOR OUT
Q6609 BUFFER
INTERFACE
P61001 29A P935 29A P971 5 P6602 5
TBC ON (H)
IC6611
VIDEO IN
VIDEO OUT
Q6611 BUFFER
P61010 2 P6606 2
P61010 4 P6606 4
P61010 3 P6606 3
OSD CLK
OSD CS
OSD DATA
SCK
CS
DATA
OSC OUT
OSC IN
X6601 REF. OSC
VIDEO Y/C
P3632 14B P932 14B P974 3 P6603 3
HD SYNC
P61001 26B P935 26B P971 7 P6602 7
ENC SYNC
IC6614
H-SYNC
OSC1
C6551
IC6612 QR6607 V-SYNC GENE
V-SYNC
OSC2
OSC ADJ.
P3931 38B P931 38B P971 13 P6602 13
VD
P3931 15A P931 15A P974 4 P6603 4
SIGNAL DET Ⓛ
QR6606
NO SIGNAL
IC6615
MOTHER

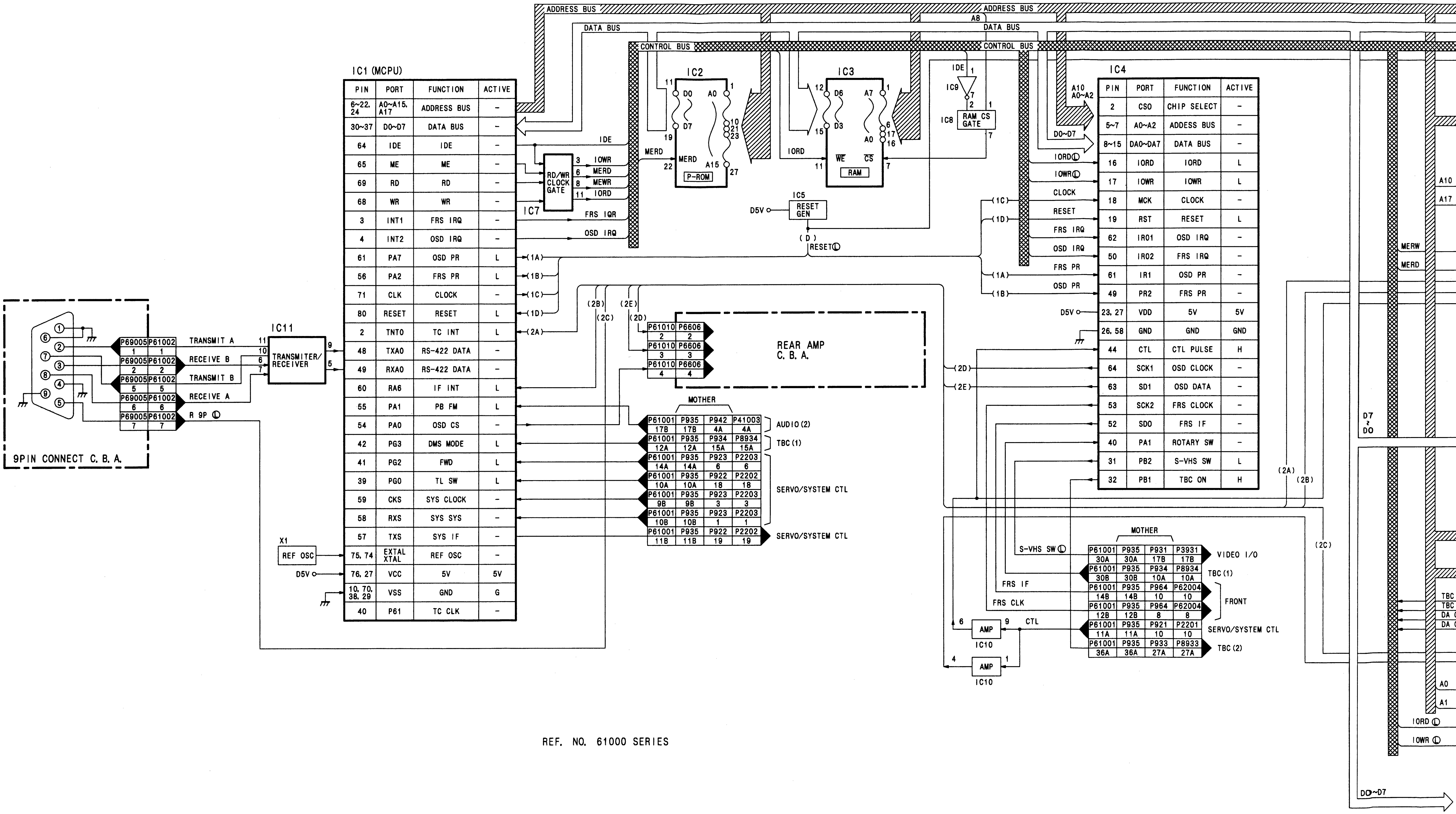
TBC (1) BLOCK DIAGRAM


VIDEO I/O
TBC2
VIDEO YC
INTERFACE
SYSTEM CTL
MOTHER
P3931 P931 P934 P8551
DEM Y
SET DC
SYNC NC
DEC C
Q8202 BUFFER
FL8201 L. P. F. (4. 5Hz)
VR8202 Y AD GAIN
IC8203 AMP (CLAMP)
TP8201 YAD
IC8001 A/D CONV. CLK
D0~D7
IC8002 LATCH CLK
YAD0~YAD7
IC8003 (Y DIGITAL NOISE REDUCTION)
K
YD0~YD7
IC8012 RESET RST
DNR SCK DNR SDA SCK SDA CLK SERIAL DECODER
Q8203 BUFFER
IC8201 DC OFFSET
IC8202 S/H
C8209
IC8011
VR8201 Y AD REF
REF DC GEN IC8201
A5V
Q8201 BUFFER
IC8109 SYNC SEP
IC8102 IC8103 WAVE FORM SHAPE
IC8158
IC8105
IC8106, IC8107 R8113, C8116 V. SYNC SEP. GEN
Q8208 Q8209 Q8210 AMP
IC8211 ENCODER R-Y B-Y
VR8206 OUTPUT BIAS
VR8207 APC
APC SELECT Q8211
Q8204 BUFFER
FL8202 L. P. F. (2. 2MHz)
VR8204 R-Y AD GAIN
IC8207 AMP (CLAMP)
TP8202 R. YAD
IC8302 MULTIPLEX A/D CONV APC RST
Q8205 BUFFER
IC8206 DC OFFSET
IC8204 S/H
C8233
C AD REF
VR8203
REF DC GEN IC8206
B. YAD TP8203
IC8306
Q8206 BUFFER
FL8203 L. P. F. (2. 2MHz)
VR8205 B-Y AD GAIN
IC8207 AMP (CLAMP)
Q8207 BUFFER
IC8208 DC OFFSET
IC8209 S/H
C8243
IC8212
IC8553
IC8552 SIG DET2 (L) SEARCH (L)
Q8151 Q8152 Q8153 TROPIZOID
IC8151 S/H
IC8152, 8153 C8163, 8164 FILTER AMP
IC8157 27MHz
TP8154 Y. CLK
IC8155
IC8011
R4 FSC
IFROSW
SIG DET2 (L)
X1 (H)
FHS
ADV CONT
V EE (H)
ENV SLT
V HSW
RFRM
VP
EQP
NCBK
SIG DET (L)
SIG DET (L) IC8551
YC DELAY 2
YC DELAY 1
YC DELAY 8
YC DELAY 4
V BLANK ADR 1
V BLANK ADR 2
V BLANK ADR 4
V BLANK ADR 8
V BLANK CLK
V BLANK DATA
HSW BLANK ON (L)
Y DNR LEVEL
Y DNR ON (L)
CPOFFL
FREEZ MODE 1
RO FREEZ
INC. MODE0
INC. MODE1
YDOP L
VIP
IC8006
IC8554
IC8555
IC8006
IC8161 M. M
VR8151 VIDEO PHASE
PHASE CONTROL IC8156
IC8160 (AFC/APC)
+5V VR8152 YC TIMING
TIMING CONTROL
IC8507
TIMING SHIFTER IC8504
TP8501
IC8158
IC8306 AMP
L8301 C8329 B. P. F.
IC8307
TP8301 C CLK
IC8506
X8502 28MHz
IC8314 8315 8316 READ CLOCK GEN.
IC8317
IC8401
PAL L
XCLK YDOPWLIN YSYNCL
SYNC WIND A0A MCLK YDOPWL YSYNCL WIDEL YGHL YGHH GATE
GATE YGHH YRSTL
A5M 201
FRMVD A04 DOVDL PAL L YDOPW L CMPSYN L HSW VSEP L 4FSC BLKON L HSWDET
V HSW
CMPSYNC HSW VSEPL
YC DELAY 1 YC DELAY 2 YC DELAY 4 YC DELAY 8
YCDL0 YCDL1 YCDL2 YCDL3
H0 H1 H2 H3
V EE (H) IC8158
MMUTEL EEL AFCCLK VSETL
AFC WIND A03 YDOPWL MMUTEL EEL YAFCCLK VSETL YHL CPOFFL CCPH TRW YSHPL YHAFCL
COPFFL CPUFFL IC8403
CCPH YSHPL
X8FSC I DLRCK RCK
KETOBAST A02 8FSC I MEN L MCLK DL RCK RCK
IC8406 DL CONTROLLER
TP8402
+5V
SW8401 DR1
YHAFCL TRW MCLK
TP8401
IC8402
V EE (H) Y DOP L
YHL YGHL
CRSTL S/G DET2 (L) DOMM DOCK FREEZ-MODE1


8-BIT DIGITAL Y DATA
8-BIT DIGITAL DATA
8-BIT DIGITAL C DATA
IC8004, 8005
(FIELD MEMORY)
D010~D013
D020~D023
READ PORT1
READ PORT2
WRITE PORT0
CKR1
Y VCLR1
INC1
YH CLR1
WE
Y VCLR0
Y INC0
Y HCLR0
CKW0
CKR2
Y VCLR2
Y INC2
Y HCLR2
DIN0~DIN3
IC8056
LATCH
CLK
OC
D8~D1
Q1~Q8
IC8057
D/A CONV
VREF
Y DA REF
TP8052
VR8001
Y-LEVEL
REF V GEN
IC8054
VR8002
CHROMA LEVEL
R8067
TP8051
C DA REF
IC8055
R8064
IC8011
IC8402
V EE(H)
Y DOP L
YGHL
Y DOP L
CRSTL
S/G DET2(L)
DOMM
DOCK
FREEZ-MODE1
RO FREER
ENVSEL
SEARCH(L)
KILL
YDOPWLO
YINHWEL
YDOPH
PBVDSW
Y DNR LEVEL
Y DNR ON(L)
MODE1
MODE0
INC
CMSCLK
FVIN
YMSCLK
EINCIN
DDOC
A08
YDOPWL
YDOPL
SEARCHL
ENVSEL
ROFRZ
FRZ
HSW
YRSTL
DOCR
DOMM
RCK
SIGDET2L
CRSTL
YDOPWLO
BLKON L
YINHWEL
CINHWEL
YDOPH
WRITEHV
A09
EINCIN
PAL L
PBVD
RFRM
YMSCLK
YRSTL
FV
VSFINHH
MODE-1:0
CMSCLK
EINCOUT
YHCLR0
YHCLR1
YVCLR0
YINC0
YVCLR1
PBVGATE
88 EINCOUT
95 YHCLR0
96 YHCLR1
98 YVCLR0
97 YINC0
99 YVCLR1
93 PBVGATE
YDNRSI
A08
YMSCLK
YDNRONL
YLEVEL
YVCLR0
MODE-1:0
SCK
SDA
108 DNRSCK
109 DNRSDA
66 CINHWEL
SYNC WIND
A0A
MCLK
YDOPWL
YSYNCL
WIDEL
YGHL
YGHH
GATE
A5M 201
A4R 201
BUFFV
A01
YDOPWL
PAL L
HSWDET
KILLL
BLKON L
PBVDSW
D0
D1
D-1:0
FRMVD
A04
DOVDL
PAL L
YDOPW L
CMPSYN L
HSW
VSEP L
4FSC
BLKON L
HSWDET
READHV
A07
PAL L
YCDL-3:0
MODE-1:0
ADVCNT
FHS
EQP
RCK
YHCLR2
YINC2
RVGATE
CHCLR2
CINC2
MENL
124 YHCLR2
125 YINC2
134 RVGATE
131 CHCLR2
132 CINC2
135 MENL
VCLR2
CVCLR2
H0
H1
H2
H3
AFC WIND
A03
YDOPWL
MMUTEL
EEL
YAFCCLK
VSETL
YHL
CPOFFL
CCPH
TRW
YSHPL
YHAFCL
BLANK
A05
I0
I1
I2
I3
I-3:0
PAL L
VBADR-3:0
VBDATA
VBCLK
HSWONL
VP
NCBK
EQP
FHS
EEL
RCK
SIGDETL
HSWBLKH
BLKH
175 RCK BUFF
159 HSWBLKH
157 BLKH
KETOBAST
A02
8FSC I
MEN L
MCLK
DL RCK
RCK
IC8504
F.F
IC8508
IC8509
IC8301
(C DIGITAL NOISE REDUCTION)
ND1~ND4
HD
K
C DNR LEVEL
C DNR ON L
NRMODE
NRE
CLK
SERIAL DECODER
PBV
INCO
VCLR1
INC1
HCLR1
VCLR0
HCLR0
FD1~FD4
D010~D013
IC8303
READ PORT1
READ PORT2
WRITE PORT0
CKR1
VCLR1
INC1
HCLR1
WE
VCLR0
INC0
HCLR0
CKW0
CKR2
CVCLR2
CINC2
CHCLR2
IC8302
MCLK
1/2
DE-MUTIPLEX
D/A CONV
R-Y
B-Y
READ CLOCK GEN(8fsc)
IC8158
D8301
D8302
①
②
③
+5V
SW8401
DR1
YHAFCL 15
TRW 23
MCLK 173
TP8401
RFRM 137
EQP 136
VBADR0 145
VBADR1 146
VBADR2 147
VBADR3 148
VIP 139
VBDATA 150
VBCLK 151
HSWONL 154
VP 141
NCBK 142
FHS 140
SIGDETL 155
ADVCNT 162
VSFINHH 101
V BLANK ADR1
V BLANK ADR2
V BLANK ADR4
V BLANK ADR8
V BLANK DATA
V BLANK CLK
HSW BLANK ON(L)
ADVCONT


IC8004, 8005 (FIELD MEMORY)
READ PORT1
READ PORT2
WRITE PORTO
D010~D013
D020~D023
DIN0~DIN3
IC8056
LATCH
CLK
OC
D8~D1
Q1~Q8
IC8057
D/A CONV
VREF
Y DA OUT
Y DA REF
TP8052
VR8001
Y-LEVEL
REF V GEN
IC8054
IC8053
VR8002
CHROMA LEVEL
R8067
R8064
TP8051
C DA REF
IC8055
IC8052
VIDEO LEVEL
CHROMA LEVEL
CHROMA DC
IC8011
INTERFACE
TBC (2)
WRITEHV
A09
EINCOUT
YHCLR0
YHCLR1
YVCLR0
YINC0
YVCLR1
PBVGATE
IC8301 (C DIGITAL NOISE REDUCTION)
ND1~ND4
HD
K
NRMODE
NRE
CLK
SERIAL DECODER
PBV
INC0
C DNR LEVEL
C DNR ON L
FD1~FD4
IC8303
IC8302
MCLK
1/2
DE-MUTIPLEX
READ CLOCK GEN (8fsc)
R-Y
B-Y
IC8309
TP8302
TP8303
SW CONT
RY DA OUT
BY DA OUT
ENC BLK
VR8302
B DC
IC8158
D8301
D8302
YDNRSI
A08
SCK
SDA
DNRSCK
DNRSDA
CINHWEL
READHV
A07
YHCLR2
YINC2
RVGATE
CHCLR2
CINC2
MENL
VCLR2
CVCLR2
RCK BUFF
HSWBLKH
BLKH
IC8504
F.F
IC8508
IC8509
IC8058
MOTHER
P8551
P934
P933
P935
P8933
P61001

INTERFACE BLOCK DIAGRAM


ADDRESS BUS
DATA BUS
CONTROL BUS
A8
IC2
D0
D7
A0
A15
MERD
P-ROM
IC3
D6
D3
A7
A0
WE
CS
RAM
IORD
IDE
IC9
IC8
RAM CS GATE
IC7
RD/WR CLOCK GATE
IOWR
MERD
MEWR
IORD
FRS IQR
OSD IRQ
IC5
RESET GEN
D5V
(D)
RESET
A10
A0~A2
D0~D7
IORD
IOWR
CLOCK
RESET
FRS IRQ
OSD IRQ
FRS PR
OSD PR
(1A)
(1B)
(1C)
(1D)
(2A)
(2B)
(2C)
(2D)
(2E)
IC11
TRANSMITER/ RECEIVER
TRANSMIT A
RECEIVE B
TRANSMIT B
RECEIVE A
R 9P
P69005
P61002
9PIN CONNECT C. B. A.
X1
REF OSC
REAR AMP C. B. A.
P61010
P6606
MOTHER
P61001
P935
P942
P41003
AUDIO (2)
TBC (1)
SERVO/SYSTEM CTL
SERVO/SYSTEM CTL
S-VHS SW
FRS IF
FRS CLK
CTL
AMP
IC10
VIDEO I/O
TBC (1)
FRONT
SERVO/SYSTEM CTL
TBC (2)
MERW
MERD
D7 ~ D0
A10
A17
A0
A1
IORD
IOWR
D0~D7
TBC
DA

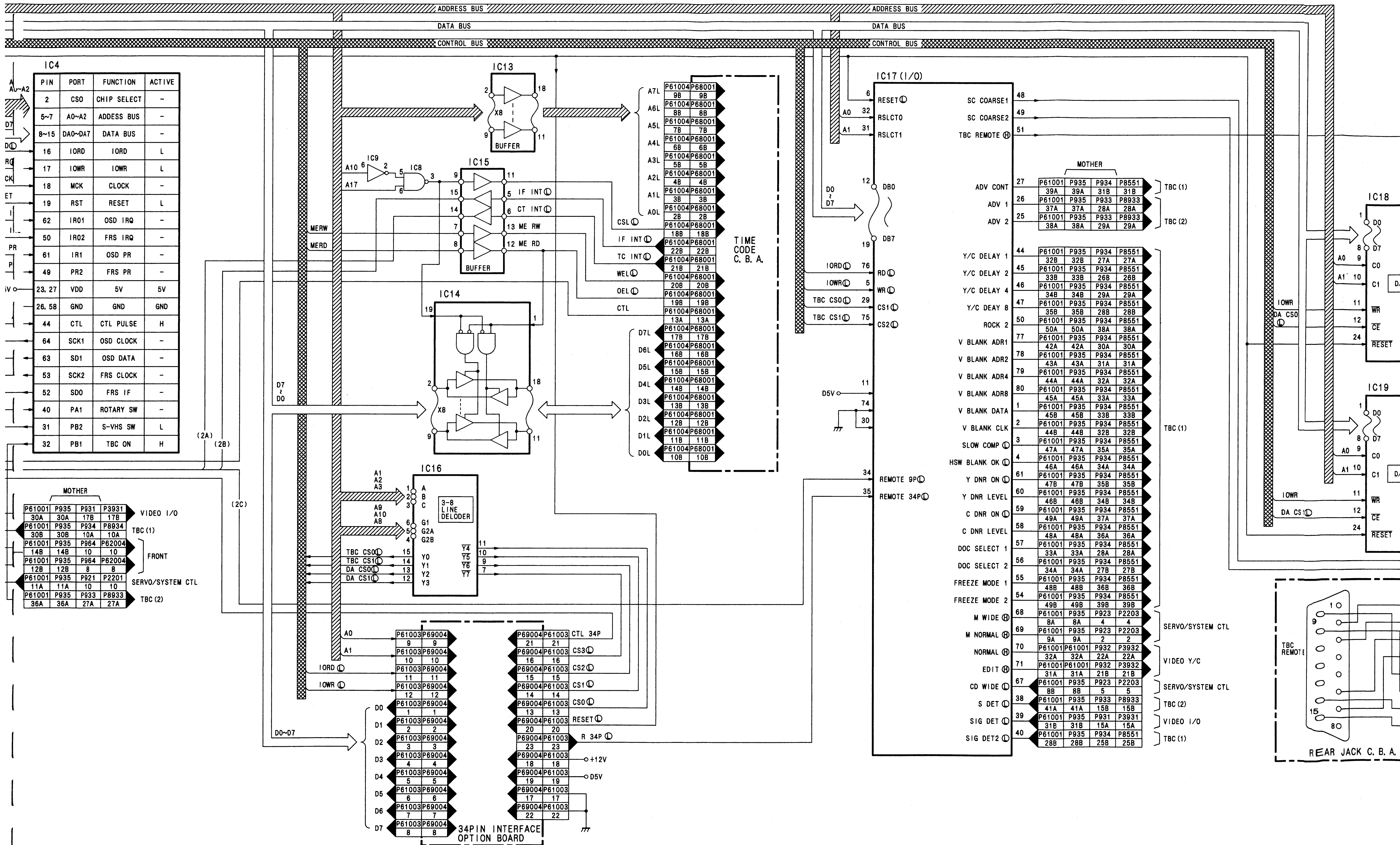
IC1 (MCPU)

PIN	PORT	FUNCTION	ACTIVE
6~22, 24	A0~A15, A17	ADDRESS BUS	–
30~37	D0~D7	DATA BUS	–
64	IDE	IDE	–
65	ME	ME	–
69	RD	RD	–
68	WR	WR	–
3	INT1	FRS IRQ	–
4	INT2	OSD IRQ	–
61	PA7	OSD PR	L
56	PA2	FRS PR	L
71	CLK	CLOCK	–
80	RESET	RESET	L
2	TNT0	TC INT	L
48	TXA0	RS-422 DATA	–
49	RXA0	RS-422 DATA	–
60	RA6	IF INT	L
55	PA1	PB FM	L
54	PA0	OSD CS	–
42	PG3	DMS MODE	L
41	PG2	FWD	L
39	PG0	TL SW	L
59	CKS	SYS CLOCK	–
58	RXS	SYS SYS	–
57	TXS	SYS IF	–
75, 74	EXTAL XTAL	REF OSC	–
76, 27	VCC	5V	5V
10, 70, 38, 29	VSS	GND	G
40	P61	TC CLK	–

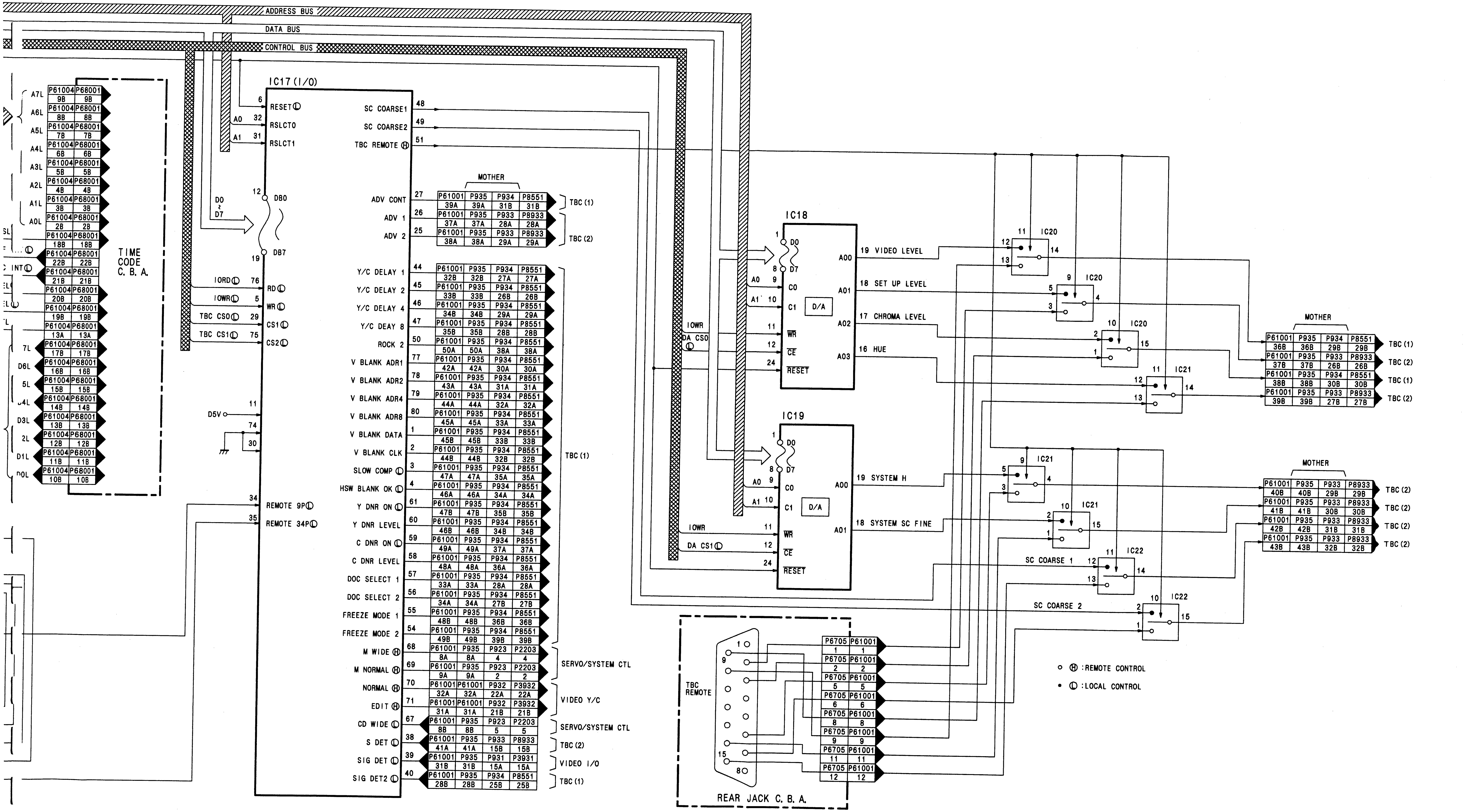
IC4

PIN	PORT	FUNCTION	ACTIVE
2	CS0	CHIP SELECT	–
5~7	A0~A2	ADDESS BUS	–
8~15	DA0~DA7	DATA BUS	–
16	IORD	IORD	L
17	IOWR	IOWR	L
18	MCK	CLOCK	–
19	RST	RESET	L
62	IR01	OSD IRQ	–
50	IR02	FRS IRQ	–
61	IR1	OSD PR	–
49	PR2	FRS PR	–
23, 27	VDD	5V	5V
26, 58	GND	GND	GND
44	CTL	CTL PULSE	H
64	SCK1	OSD CLOCK	–
63	SD1	OSD DATA	–
53	SCK2	FRS CLOCK	–
52	SD0	FRS IF	–
40	PA1	ROTARY SW	–
31	PB2	S-VHS SW	L
32	PB1	TBC ON	H

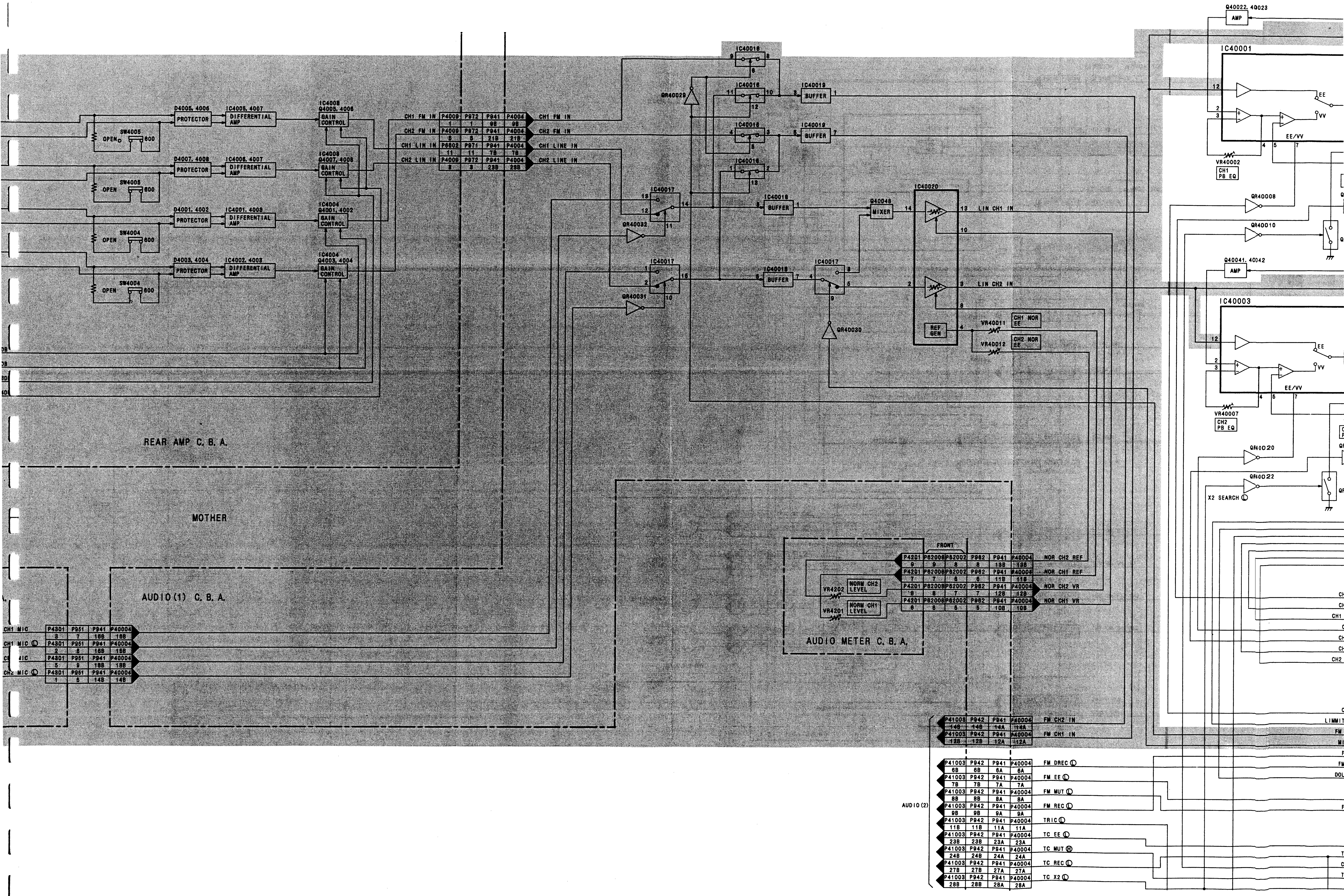
REF. NO. 61000 SERIES

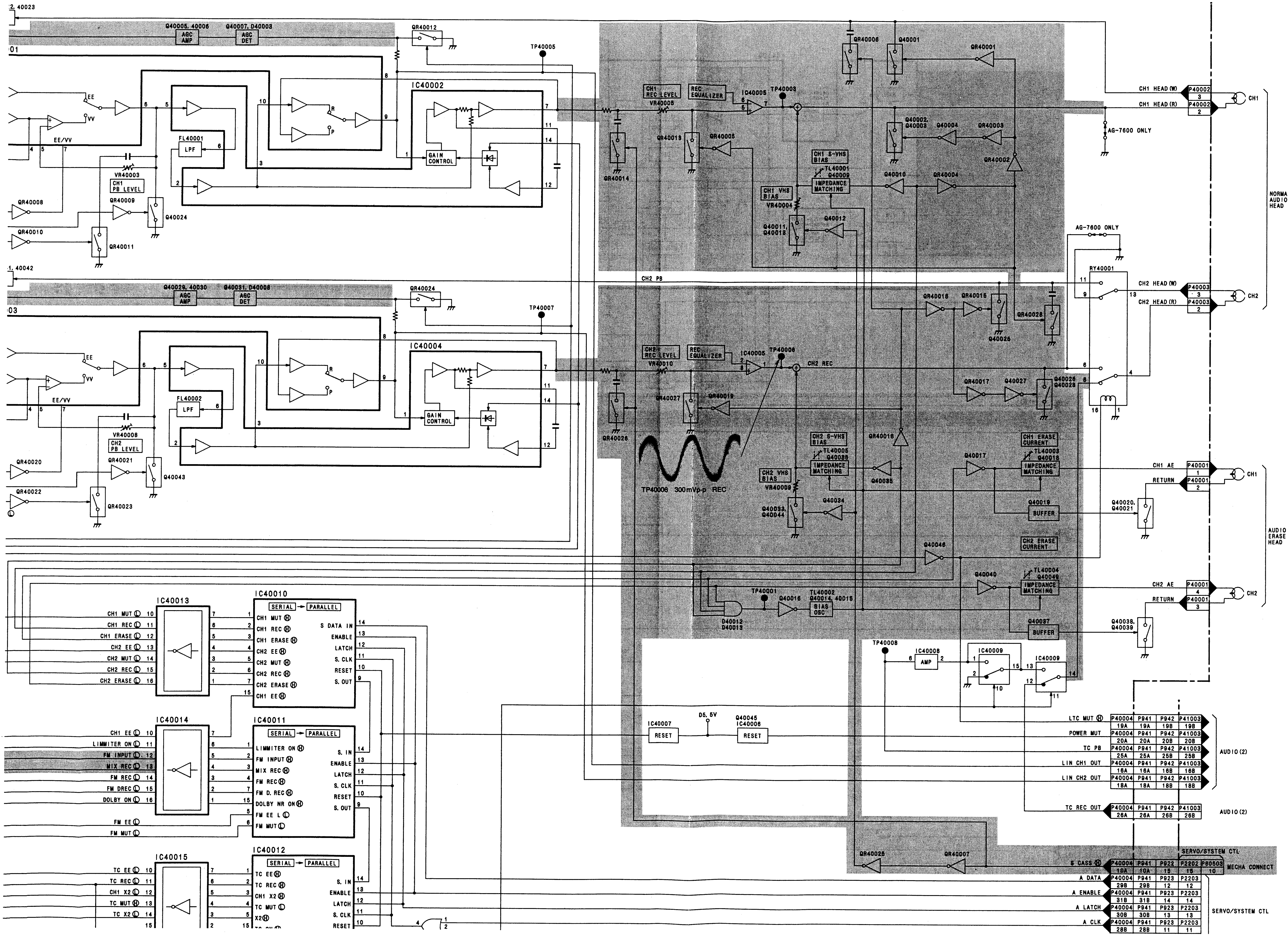

ADDRESS BUS
DATA BUS
CONTROL BUS
IC13
X8
BUFFER
IC9
IC8
A10
A17
IC15
IF INT
CT INT
ME RW
ME RD
BUFFER
IC14
X8
D7 ~ D0
MERW
MERD
A7L
A6L
A5L
A4L
A3L
A2L
A1L
A0L
CSL
IF INT
TC INT
WEL
OEL
CTL
D7L
D6L
D5L
D4L
D3L
D2L
D1L
D0L
P61004
P68001
TIME CODE C. B. A.
IC16
A1 A2 A3
A9 A10 A8
3-8 LINE DELODER
G1 G2A G2B
Y0 Y1 Y2 Y3
TBC CS0
TBC CS1
DA CS0
DA CS1
(2A)
(2B)
(2C)
MOTHER
P61001 P935 P931 P3931 VIDEO I/O
P61001 P935 P934 P8934 TBC (1)
P61001 P935 P964 P62004 FRONT
P61001 P935 P921 P2201 SERVO/SYSTEM CTL
P61001 P935 P933 P8933 TBC (2)
A0
A1
IORD
IOWR
D0–D7
P61003 P69004
CTL 34P
CS3
CS2
CS1
CS0
RESET
R 34P
+12V
D5V
34PIN INTERFACE OPTION BOARD
IC17 (I/O)
RESET
RSLCT0
RSLCT1
DB0
DB7
RD
WR
CS1
CS2
D5V
REMOTE 9P
REMOTE 34P
SC COARSE1
SC COARSE2
TBC REMOTE
ADV CONT
ADV 1
ADV 2
Y/C DELAY 1
Y/C DELAY 2
Y/C DELAY 4
Y/C DEAY 8
ROCK 2
V BLANK ADR1
V BLANK ADR2
V BLANK ADR4
V BLANK ADR8
V BLANK DATA
V BLANK CLK
SLOW COMP
HSW BLANK OK
Y DNR ON
Y DNR LEVEL
C DNR ON
C DNR LEVEL
DOC SELECT 1
DOC SELECT 2
FREEZE MODE 1
FREEZE MODE 2
M WIDE
M NORMAL
NORMAL
EDIT
CD WIDE
S DET
SIG DET
SIG DET2
MOTHER
P61001 P935 P934 P8551
TBC (1)
TBC (2)
SERVO/SYSTEM CTL
VIDEO Y/C
VIDEO I/O
IC18
IC19
D0
D7
C0
C1
WR
CE
RESET
IOWR
DA CS0
DA CS1
TBC REMOTE
REAR JACK C. B. A.

PIN	PORT	FUNCTION	ACTIVE
2	CSO	CHIP SELECT	-
5~7	A0~A2	ADDESS BUS	-
8~15	DA0~DA7	DATA BUS	-
16	IORD	IORD	L
17	IOWR	IOWR	L
18	MCK	CLOCK	-
19	RST	RESET	L
62	IR01	OSD IRQ	-
50	IR02	FRS IRQ	-
61	IR1	OSD PR	-
49	PR2	FRS PR	-
23, 27	VDD	5V	5V
26, 58	GND	GND	GND
44	CTL	CTL PULSE	H
64	SCK1	OSD CLOCK	-
63	SD1	OSD DATA	-
53	SCK2	FRS CLOCK	-
52	SD0	FRS IF	-
40	PA1	ROTARY SW	-
31	PB2	S-VHS SW	L
32	PB1	TBC ON	H

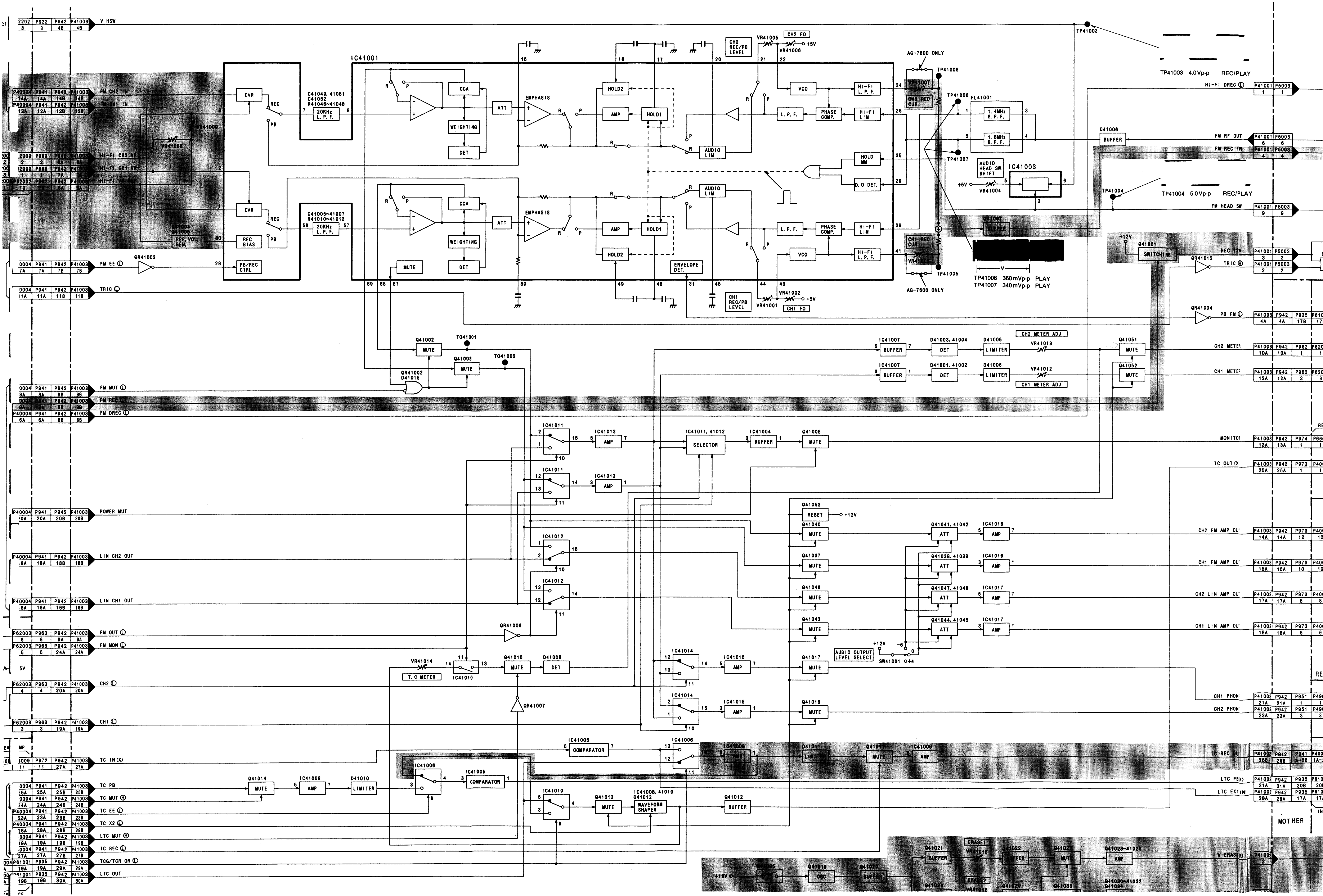

ADDRESS BUS
DATA BUS
CONTROL BUS
IC17 (I/O)
6 RESET Ⓛ
A0 32 RSLCT0
A1 31 RSLCT1
12 DB0
D0 ~ D7
19 DB7
IORD Ⓛ 76 RD Ⓛ
IOWR Ⓛ 5 WR Ⓛ
TBC CS0 Ⓛ 29 CS1 Ⓛ
TBC CS1 Ⓛ 75 CS2 Ⓛ
D5V 11
74
30
34 REMOTE 9P Ⓛ
35 REMOTE 34P Ⓛ
SC COARSE1 48
SC COARSE2 49
TBC REMOTE Ⓗ 51
MOTHER
ADV CONT 27 P61001 39A P935 39A P934 31B P8551 31B TBC (1)
ADV 1 26 P61001 37A P935 37A P933 28A P8933 28A
ADV 2 25 P61001 38A P935 38A P933 29A P8933 29A TBC (2)
Y/C DELAY 1 44 P61001 32B P935 32B P934 27A P8551 27A
Y/C DELAY 2 45 P61001 33B P935 33B P934 26B P8551 26B
Y/C DELAY 4 46 P61001 34B P935 34B P934 29A P8551 29A
Y/C DEAY 8 47 P61001 35B P935 35B P934 28B P8551 28B
ROCK 2 50 P61001 50A P935 50A P934 38A P8551 38A
V BLANK ADR1 77 P61001 42A P935 42A P934 30A P8551 30A
V BLANK ADR2 78 P61001 43A P935 43A P934 31A P8551 31A
V BLANK ADR4 79 P61001 44A P935 44A P934 32A P8551 32A
V BLANK ADR8 80 P61001 45A P935 45A P934 33A P8551 33A
V BLANK DATA 1 P61001 45B P935 45B P934 33B P8551 33B
V BLANK CLK 2 P61001 44B P935 44B P934 32B P8551 32B
SLOW COMP Ⓛ 3 P61001 47A P935 47A P934 35A P8551 35A
HSW BLANK OK Ⓛ 4 P61001 46A P935 46A P934 34A P8551 34A
Y DNR ON Ⓛ 61 P61001 47B P935 47B P934 35B P8551 35B
Y DNR LEVEL 60 P61001 46B P935 46B P934 34B P8551 34B
C DNR ON Ⓛ 59 P61001 49A P935 49A P934 37A P8551 37A
C DNR LEVEL 58 P61001 48A P935 48A P934 36A P8551 36A
DOC SELECT 1 57 P61001 33A P935 33A P934 28A P8551 28A
DOC SELECT 2 56 P61001 34A P935 34A P934 27B P8551 27B
FREEZE MODE 1 55 P61001 48B P935 48B P934 36B P8551 36B
FREEZE MODE 2 54 P61001 49B P935 49B P934 39B P8551 39B
TBC (1)
M WIDE Ⓗ 68 P61001 8A P935 8A P923 4 P2203 4
M NORMAL Ⓗ 69 P61001 9A P935 9A P923 2 P2203 2
SERVO/SYSTEM CTL
NORMAL Ⓗ 70 P61001 32A P61001 32A P932 22A P3932 22A
EDIT Ⓗ 71 P61001 31A P61001 31A P932 21B P3932 21B
VIDEO Y/C
CD WIDE Ⓛ 67 P61001 8B P935 8B P923 5 P2203 5 SERVO/SYSTEM CTL
S DET Ⓛ 38 P61001 41A P935 41A P933 15B P8933 15B TBC (2)
SIG DET Ⓛ 39 P61001 31B P935 31B P931 15A P3931 15A VIDEO I/O
SIG DET2 Ⓛ 40 P61001 28B P935 28B P934 25B P8551 25B TBC (1)
A7L P61004 9B P68001 9B
A6L P61004 8B P68001 8B
A5L P61004 7B P68001 7B
A4L P61004 6B P68001 6B
A3L P61004 5B P68001 5B
A2L P61004 4B P68001 4B
A1L P61004 3B P68001 3B
A0L P61004 2B P68001 2B
P61004 18B P68001 18B
INT Ⓛ P61004 22B P68001 22B
P61004 21B P68001 21B
P61004 20B P68001 20B
P61004 19B P68001 19B
P61004 13A P68001 13A
7L P61004 17B P68001 17B
D6L P61004 16B P68001 16B
5L P61004 15B P68001 15B
D4L P61004 14B P68001 14B
D3L P61004 13B P68001 13B
2L P61004 12B P68001 12B
D1L P61004 11B P68001 11B
D0L P61004 10B P68001 10B
TIME CODE C. B. A.
IC18
1 D0
8 D7
A0 9 C0
A1 10 C1
D/A
11 WR
12 CE
24 RESET
IOWR
DA CS0 Ⓛ
A00 19 VIDEO LEVEL
A01 18 SET UP LEVEL
A02 17 CHROMA LEVEL
A03 16 HUE
IC19
1 D0
8 D7
A0 9 C0
A1 10 C1
D/A
IOWR 11 WR
DA CS1 Ⓛ 12 CE
24 RESET
A00 19 SYSTEM H
A01 18 SYSTEM SC FINE
IC20 11 12 13 14
IC20 9 5 3 4
IC20 10 2 1 15
IC21 11 12 13 14
IC21 9 5 3 4
IC21 10 2 1 15
SC COARSE 1 IC22 11 12 13 14
SC COARSE 2 IC22 10 2 1 15
MOTHER
P61001 36B P935 36B P934 29B P8551 29B TBC (1)
P61001 37B P935 37B P933 26B P8933 26B TBC (2)
P61001 38B P935 38B P934 30B P8551 30B TBC (1)
P61001 39B P935 39B P933 27B P8933 27B TBC (2)
MOTHER
P61001 40B P935 40B P933 29B P8933 29B TBC (2)
P61001 41B P935 41B P933 30B P8933 30B TBC (2)
P61001 42B P935 42B P933 31B P8933 31B TBC (2)
P61001 43B P935 43B P933 32B P8933 32B TBC (2)
TBC REMOTE
1 9 15 8
P6705 1 P61001 1
P6705 2 P61001 2
P6705 5 P61001 5
P6705 6 P61001 6
P6705 8 P61001 8
P6705 9 P61001 9
P6705 11 P61001 11
P6705 12 P61001 12
REAR JACK C. B. A.
○ Ⓗ :REMOTE CONTROL
● Ⓛ :LOCAL CONTROL

DIAGRAM

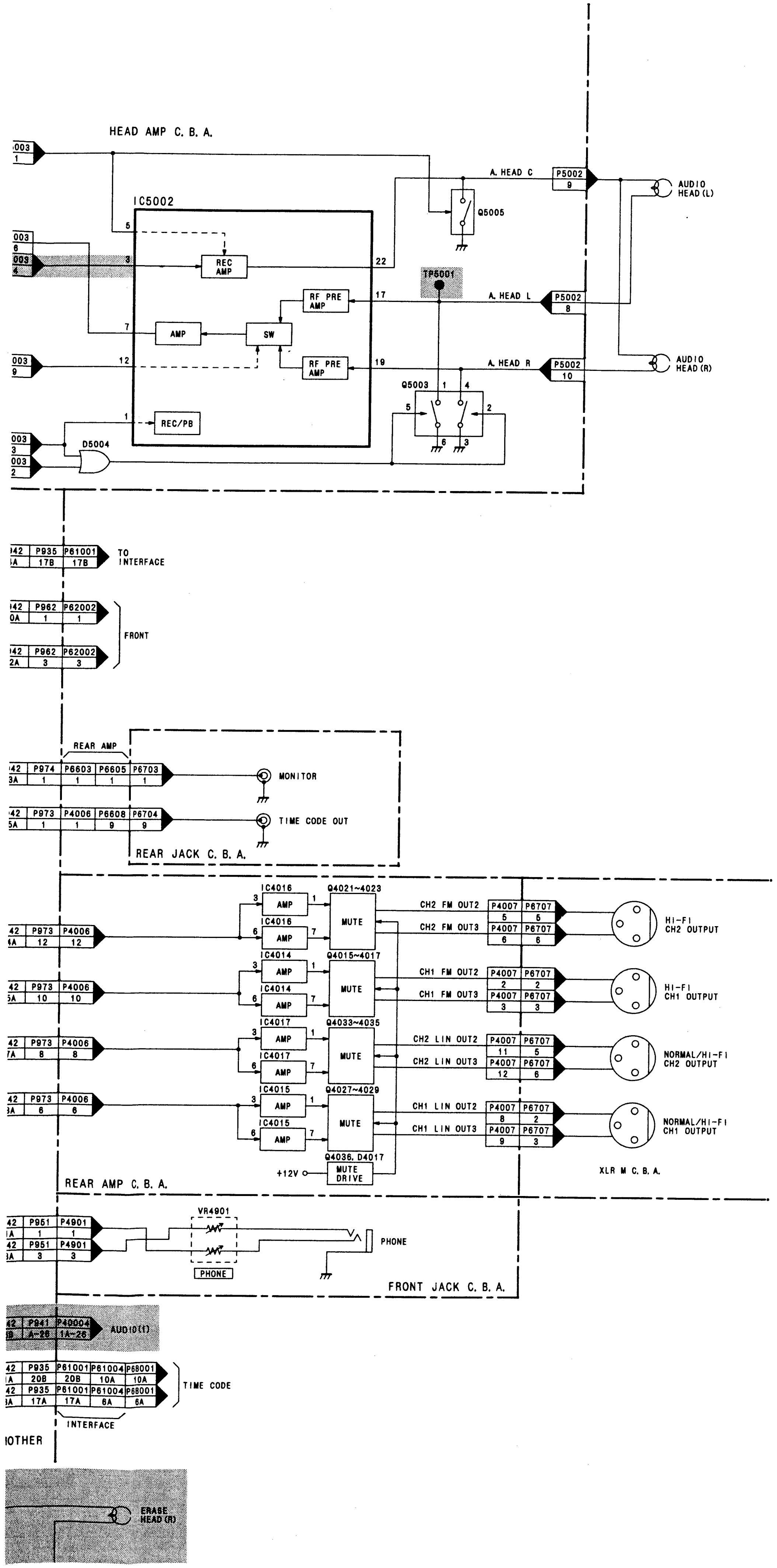

REAR AMP C. B. A.
MOTHER
AUDIO(1) C. B. A.
AUDIO METER C. B. A.
AUDIO(2)
FRONT
D4005, 4006
PROTECTOR
IC4005, 4007
DIFFERENTIAL AMP
IC4008 Q4005, 4006
GAIN CONTROL
SW4005
OPEN
600
D4007, 4008
IC4006, 4007
IC4008 Q4007, 4008
D4001, 4002
IC4001, 4003
IC4004 Q4001, 4002
SW4004
D4003, 4004
IC4002, 4003
IC4004 Q4003, 4004
CH1 FM IN
CH2 FM IN
CH1 LIN IN
CH2 LIN IN
CH1 LINE IN
CH2 LINE IN
P4009
P972
P941
P4004
P6802
P971
IC40016
IC40017
IC40018
IC40019
IC40020
BUFFER
MIXER
Q40046
QR40029
QR40030
QR40031
QR40032
REF GEN
LIN CH1 IN
LIN CH2 IN
VR40011
VR40012
CH1 NOR EE
CH2 NOR EE
Q40022, 40023
AMP
IC40001
IC40003
EE
VV
EE/VV
VR40002
CH1 PB EQ
VR40007
CH2 PB EQ
QR40008
QR40010
Q40041, 40042
QR40020
QR40022
X2 SEARCH
VR4202
NORM CH2 LEVEL
VR4201
NORM CH1 LEVEL
P4201
P62008
P62002
P962
P40004
NOR CH2 REF
NOR CH1 REF
NOR CH2 VR
NOR CH1 VR
CH1 MIC
CH2 MIC
P4301
P951
P41003
P942
FM CH2 IN
FM CH1 IN
FM DREC
FM EE
FM MUT
FM REC
TRIC
TC EE
TC MUT
TC REC
TC X2
LIMMIT
DOL


2, 40023
Q40005, 40006
AGC AMP
Q40007, D40003
AGC DET
QR40012
TP40005
IC40002
EE
VV
EE/VV
R
P
FL40001
LPF
VR40003
CH1 PB LEVEL
GAIN CONTROL
QR40008
QR40009
Q40024
QR40010
QR40011
1, 40042
Q40029, 40030
AGC AMP
Q40031, D40008
AGC DET
QR40024
TP40007
IC40004
FL40002
VR40008
CH2 PB LEVEL
QR40020
QR40021
Q40043
QR40022
QR40023
CH1 REC LEVEL
VR40005
REC EQUALIZER
IC40005
TP40003
QR40014
QR40013
QR40005
QR40006
Q40001
QR40001
Q40002, Q40003
Q40004
QR40003
QR40002
CH1 S-VHS BIAS
TL40001
Q40009
IMPEDANCE MATCHING
CH1 VHS BIAS
VR40004
Q40010
QR40004
Q40011, Q40013
Q40012
CH2 PB
CH2 REC LEVEL
VR40010
REC EQUALIZER
IC40005
TP40006
CH2 REC
QR40026
QR40027
QR40019
CH2 S-VHS BIAS
TL40005
Q40036
IMPEDANCE MATCHING
CH2 VHS BIAS
VR40009
Q40035
QR40016
Q40033, Q40044
Q40034
TP40006 300mVp-p REC
QR40018
QR40015
Q40025
QR40028
QR40017
Q40027
Q40026, Q40028
CH1 ERASE CURRENT
TL40003
Q40018
IMPEDANCE MATCHING
Q40017
Q40019
BUFFER
Q40046
CH2 ERASE CURRENT
Q40040
TL40004
Q40049
IMPEDANCE MATCHING
Q40037
BUFFER
TP40001
Q40016
TL40002
Q40014, 40015
BIAS OSC
D40012
D40013
AG-7600 ONLY
CH1 HEAD (W)
CH1 HEAD (R)
P40002
CH1
AG-7600 ONLY
RY40001
CH2 HEAD (W)
CH2 HEAD (R)
P40003
CH2
NORMAL AUDIO HEAD
CH1 AE
RETURN
P40001
CH1
Q40020, Q40021
CH2 AE
RETURN
CH2
Q40038, Q40039
AUDIO ERASE HEAD
TP40008
IC40008
AMP
IC40009
IC40009
IC40007
RESET
D5. 5V
Q40045
IC40006
RESET
IC40013
CH1 MUT Ⓛ
CH1 REC Ⓛ
CH1 ERASE Ⓛ
CH2 EE Ⓛ
CH2 MUT Ⓛ
CH2 REC Ⓛ
CH2 ERASE Ⓛ
IC40010
SERIAL → PARALLEL
CH1 MUT Ⓗ
CH1 REC Ⓗ
CH1 ERASE Ⓗ
CH2 EE Ⓗ
CH2 MUT Ⓗ
CH2 REC Ⓗ
CH2 ERASE Ⓗ
CH1 EE Ⓗ
S DATA IN
ENABLE
LATCH
S. CLK
RESET
S. OUT
IC40014
CH1 EE Ⓛ
LIMMITER ON Ⓛ
FM INPUT Ⓛ
MIX REC Ⓛ
FM REC Ⓛ
FM DREC Ⓛ
DOLBY ON Ⓛ
FM EE Ⓛ
FM MUT Ⓛ
IC40011
SERIAL → PARALLEL
LIMMITER ON Ⓗ
FM INPUT Ⓗ
MIX REC Ⓗ
FM REC Ⓗ
FM D. REC Ⓗ
DOLBY NR ON Ⓗ
FM EE L Ⓛ
FM MUT Ⓛ
S. IN
ENABLE
LATCH
S. CLK
RESET
S. OUT
IC40015
TC EE Ⓛ
TC REC Ⓛ
CH1 X2 Ⓛ
TC MUT Ⓗ
TC X2 Ⓛ
IC40012
SERIAL → PARALLEL
TC EE Ⓗ
TC REC Ⓗ
CH1 X2 Ⓗ
TC MUT Ⓛ
X2 Ⓗ
S. IN
ENABLE
LATCH
S. CLK
RESET
LTC MUT Ⓗ P40004 19A P941 19A P942 19B P41003 19B
POWER MUT P40004 20A P941 20A P942 20B P41003 20B
TC PB P40004 25A P941 25A P942 25B P41003 25B
LIN CH1 OUT P40004 16A P941 16A P942 16B P41003 16B
LIN CH2 OUT P40004 18A P941 18A P942 18B P41003 18B
AUDIO (2)
TC REC OUT P40004 26A P941 26A P942 26B P41003 26B
AUDIO (2)
QR40025
QR40007
SERVO/SYSTEM CTL
S CASS Ⓗ P40004 10A P941 10A P922 15 P2202 15 P60503 10
MECHA CONNECT
A DATA P40004 29B P941 29B P923 12 P2203 12
A ENABLE P40004 31B P941 31B P923 14 P2203 14
A LATCH P40004 30B P941 30B P923 13 P2203 13
A CLK P40004 28B P941 28B P923 11 P2203 11
SERVO/SYSTEM CTL

BLOCK DIAGRAM



V HSW
IC41001
IC41003
FM CH2 IN
FM CH1 IN
VR41008
VR41009
HI-FI CH2 VR
HI-FI CH1 VR
HI-FI VR REF
FM EE
QR41003
TRIC
EVR
REC
PB
20KHz L.P.F.
C41049, 41051
C41052
R41046~41048
C41005~41007
R41010~41012
REC BIAS
PB/REC CTRL
REF. VOL. GEN.
Q41004
Q41005
CCA
WEIGHTING
DET
ATT
EMPHASIS
MUTE
HOLD1
HOLD2
AMP
AUDIO LIM
ENVELOPE DET.
L.P.F.
PHASE COMP.
VCO
HI-FI L.P.F.
HI-FI LIM
HOLD MM
D.O DET.
CH2 REC/PB LEVEL
CH1 REC/PB LEVEL
VR41005
VR41006
CH2 FO
VR41001
VR41002
CH1 FO
+5V
AG-7600 ONLY
VR41007
VR41003
CH2 REC CUR
CH1 REC CUR
TP41003
TP41004
TP41005
TP41006
TP41007
TP41008
FL41001
1.4MHz B.P.F.
1.8MHz B.P.F.
AUDIO HEAD SW SHIFT
VR41004
Q41097
BUFFER
TP41003 4.0Vp-p REC/PLAY
TP41004 5.0Vp-p REC/PLAY
TP41006 360mVp-p PLAY
TP41007 340mVp-p PLAY
HI-FI DREC
FM RF OUT
FM REC IN
FM HEAD SW
Q41006
Q41001
SWITCHING
+12V
REC 12V
TRIC
QR41012
QR41004
PB FM
Q41002
Q41003
TO41001
TO41002
QR41002
D41015
FM MUT
FM REC
FM DREC
IC41007
D41003, 41004
D41001, 41002
D41005
D41006
LIMITER
CH2 METER ADJ
CH1 METER ADJ
VR41013
VR41012
Q41051
Q41052
CH2 METER
CH1 METER
IC41011
IC41013
IC41011, 41012
SELECTOR
IC41004
Q41008
MONITOR
TC OUT (X)
POWER MUT
LIN CH2 OUT
LIN CH1 OUT
IC41012
Q41053
RESET
Q41040
Q41037
Q41046
Q41043
Q41041, 41042
Q41038, 41039
Q41047, 41048
Q41044, 41045
IC41016
IC41017
CH2 FM AMP OUT
CH1 FM AMP OUT
CH2 LIN AMP OUT
CH1 LIN AMP OUT
AUDIO OUTPUT LEVEL SELECT
SW41001
FM OUT
FM MON
QR41006
VR41014
T.C METER
IC41010
Q41015
D41009
QR41007
IC41014
IC41015
Q41017
Q41018
CH1 PHONE
CH2 PHONE
5V
CH2
CH1
TC IN (X)
IC41005
COMPARATOR
IC41006
IC41009
D41011
Q41011
TC REC OUT
TC PB
TC MUT
TC EE
TC X2
LTC MUT
TC REC
TCG/TCR ON
LTC OUT
Q41014
IC41008
D41010
Q41013
IC41008, 41010
D41012
WAVEFORM SHAPER
Q41012
LTC PB
LTC EXT IN
MOTHER
V ERASE
Q41021
ERASE1
VR41016
Q41022
Q41027
Q41023~41028
ERASE2
VR41018
Q41035
Q41019
OSC
Q41020
Q41030~41032
Q41094
P40004
P941
P942
P41003
P922
P963
P962
P972
P935
P41001
P5003
P973
P974
P951


HEAD AMP C. B. A.
IC5002
REC AMP
AMP
SW
RF PRE AMP
RF PRE AMP
REC/PB
D5004
A. HEAD C
A. HEAD L
A. HEAD R
TP5001
Q5005
Q5003
P5002
AUDIO HEAD (L)
AUDIO HEAD (R)
TO INTERFACE
FRONT
REAR AMP
MONITOR
TIME CODE OUT
REAR JACK C. B. A.
IC4016
IC4014
IC4017
IC4015
Q4021~4023
Q4015~4017
Q4033~4035
Q4027~4029
MUTE
CH2 FM OUT2
CH2 FM OUT3
CH1 FM OUT2
CH1 FM OUT3
CH2 LIN OUT2
CH2 LIN OUT3
CH1 LIN OUT2
CH1 LIN OUT3
HI-FI CH2 OUTPUT
HI-FI CH1 OUTPUT
NORMAL/HI-FI CH2 OUTPUT
NORMAL/HI-FI CH1 OUTPUT
Q4036, D4017
MUTE DRIVE
+12V
XLR M C. B. A.
REAR AMP C. B. A.
VR4901
PHONE
FRONT JACK C. B. A.
AUDIO(1)
TIME CODE
INTERFACE
MOTHER
ERASE HEAD (R)

MEMO

TIC DIAGRAM

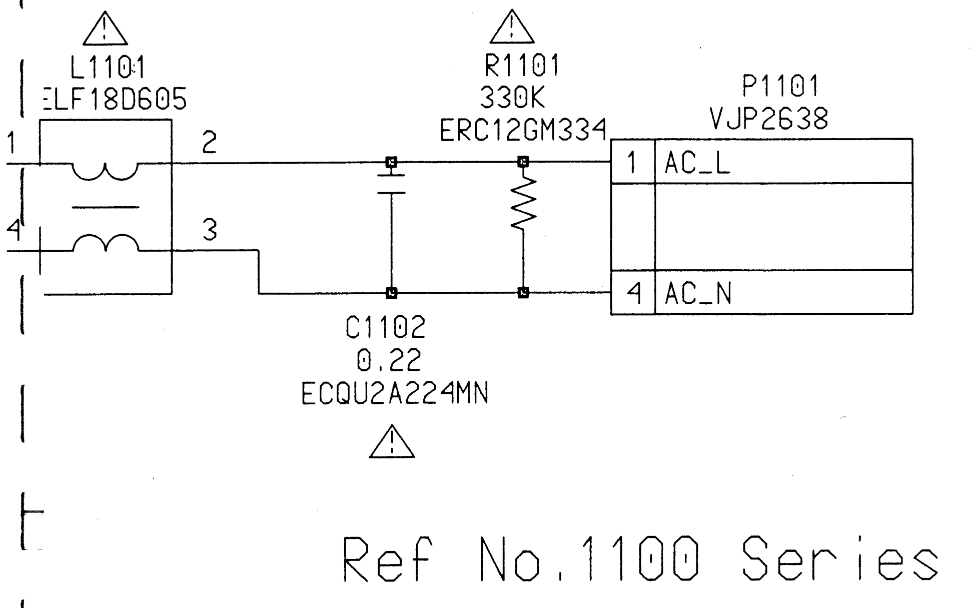
ている活
部）に
さい。
能性

① ⚠警告 ⚠印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

② 部品交換時には、電源プラグをぬいてから行ってください。

③ 部品品番は、部品価格表で確認の上交換ください。

日本国内モデルのみ・JAPAN MODEL ONLY


L1101
ELF18D605
R1101
330K
ERC12GM334
P1101
VJP2638
1 AC_L
4 AC_N
C1102
0.22
ECQU2A224MN
Ref No.1100 Series

C DIAGRAM AND POWER 2

注意文

日本国内モデルのみ・JAPAN MODEL ONLY

舌
に
い。
性

① ⚠警告 ⚠印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

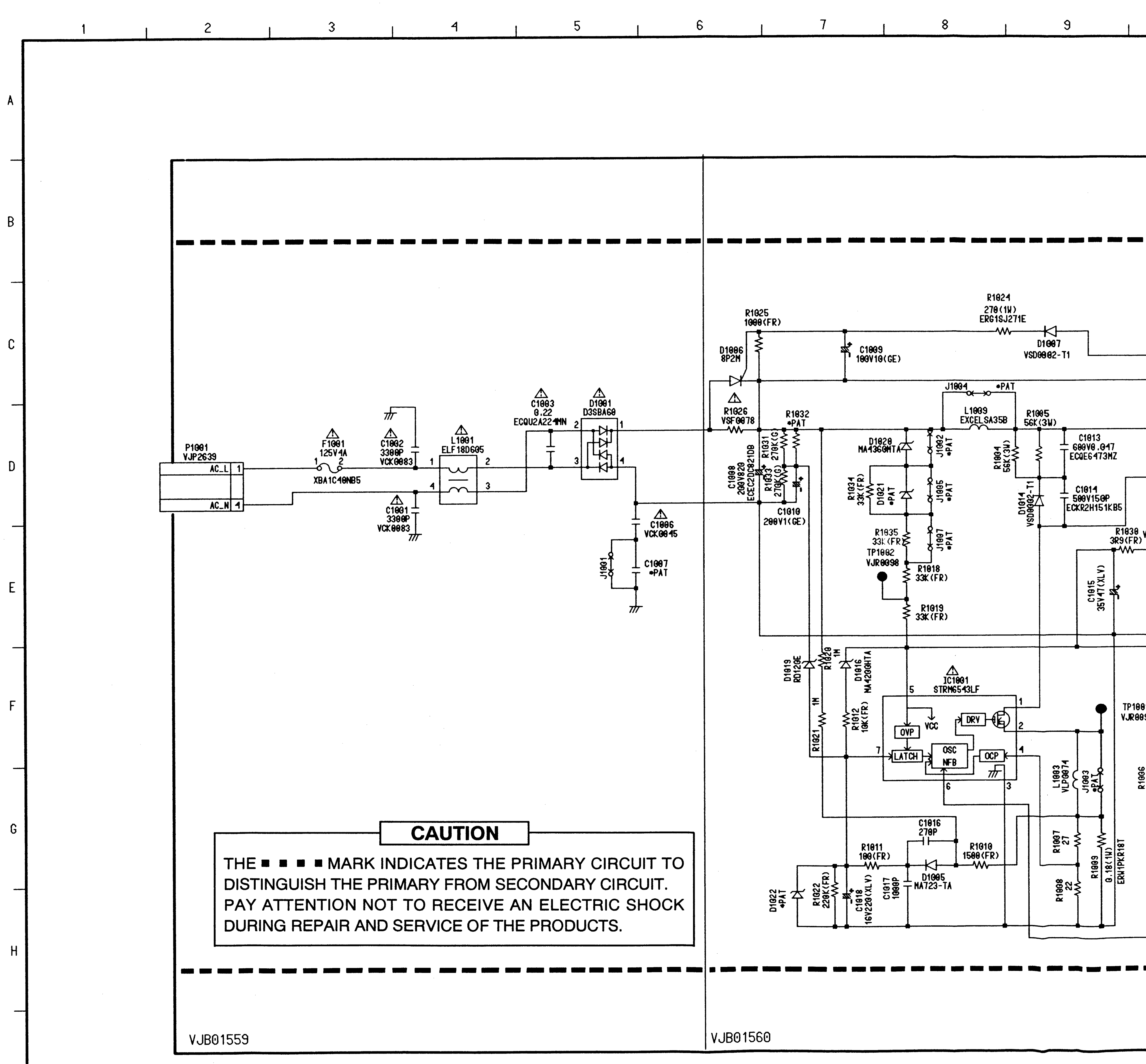
② [- - - - -]内は充電部です。AC 100 Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

③ 部品交換時には、電源プラグをぬいてから行ってください。

④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

POWER 1 SCHEMATIC DIAGRAM AND POWER 2 SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOT
COMPONENTS IDENTIFIE
CHARACTERISTICS FOR S
WHEN REPLACING ANY C


P1001
VJP2639
AC_L 1
AC_N 4
F1001
125V4A
XBA1C40NB5
C1002
3300P
VCK0083
C1001
3300P
VCK0083
L1001
ELF18D605
C1003
0.22
ECQU2A224MN
D1001
D3SBA60
C1006
VCK0045
C1007
*PAT
J1001
R1025
1000(FR)
D1006
8P2M
C1009
100V10(GE)
R1024
270(1W)
ERG1SJ271E
D1007
VSD0002-T1
R1026
VSF0078
R1032
*PAT
C1008
200V820
ECEC2DC821DB
R1031
270K(G)
R1033
270K(G)
C1010
200V1(GE)
D1020
MA4360HTA
J1002
*PAT
R1034
33K(FR)
D1021
*PAT
J1005
*PAT
R1035
33K(FR)
TP1002
VJR0098
J1007
*PAT
R1018
33K(FR)
R1019
33K(FR)
J1004
*PAT
L1009
EXCELSA35B
R1005
56K(3W)
R1004
56K(3W)
C1013
600V0.047
ECQE6473MZ
D1014
VSD0002-T1
C1014
500V150P
ECKR2H151KB5
R1030
3R9(FR)
C1015
35V47(XLV)
D1019
RD120E
R1020
1M
D1016
MA4200HTA
R1021
1M
R1012
10K(FR)
IC1001
STRM6543LF
OVP
VCC
DRV
LATCH
OSC
NFB
OCP
TP100
VJR00
L1003
VLP0074
J1003
*PAT
R1006
C1016
270P
R1011
100(FR)
R1010
1500(FR)
D1005
MA723-TA
C1017
1000P
R1022
220K(FR)
C1018
16V220(XLV)
D1022
*PAT
R1007
27
R1008
22
R1009
0.18(1W)
ERW1PKR18T
VJB01559
VJB01560

CAUTION

THE ■ ■ ■ ■ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

POWER 1,2

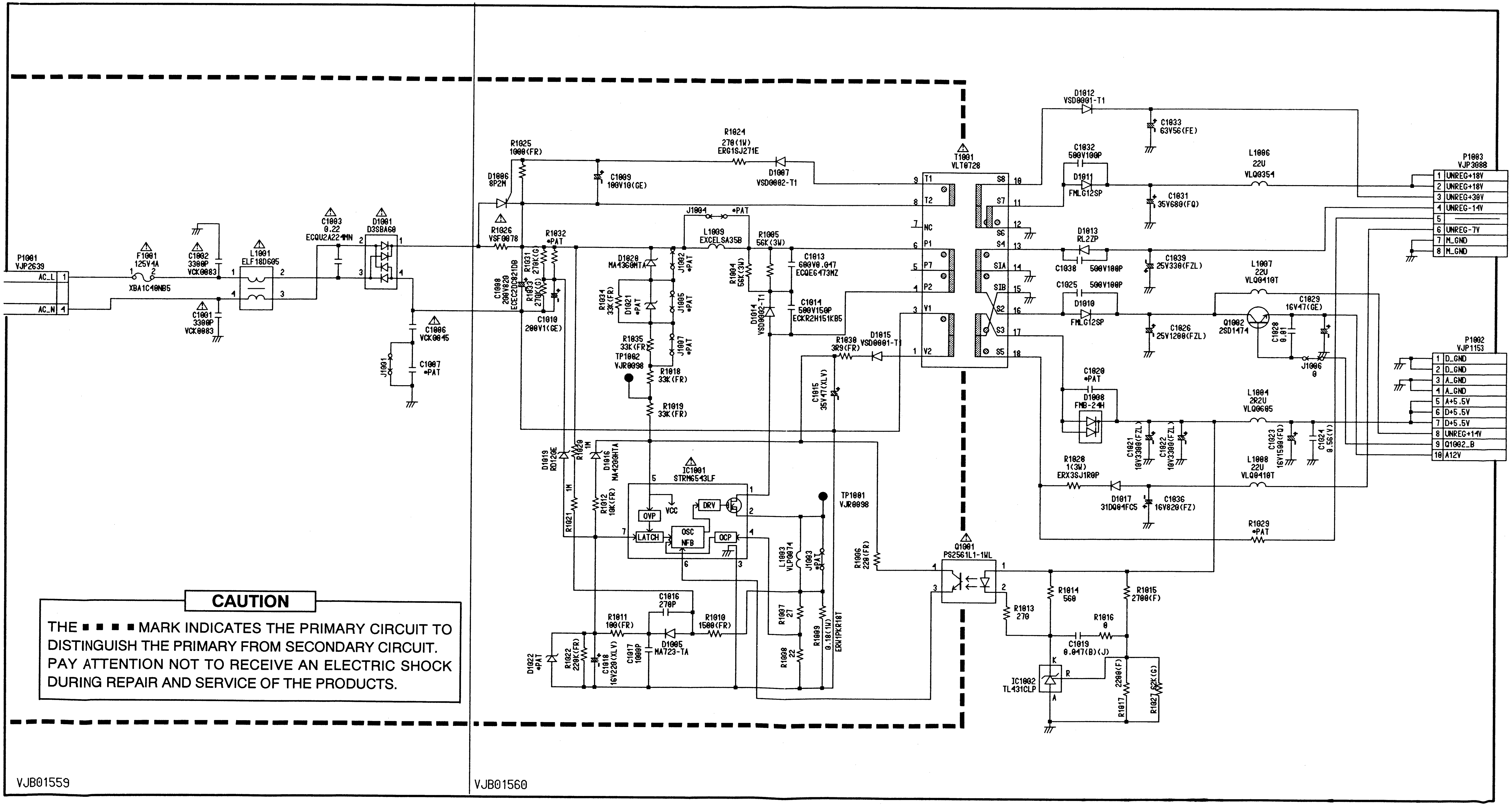
CHEMATIC DIAGRAM AND POWER 2 SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE :
COMPONENTS IDENTIFIED WITH THE MARK ⚠HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

⚠警 告

⚠印の部品は、安全上重要な部品です。交換するときは、安全及び性能維持のため必ず指定の部品をご使用ください。

2 3 4 5 6 7 8 9 10 11 12 13 14 15


P1001
VJP2639
AC_L 1
AC_N 4
F1001
125V4A
XBA1C40NB5
C1002
3300P
VCK0083
C1001
3300P
VCK0083
L1001
ELF18D605
C1003
0.22
ECQU2A224MN
D1001
D3SBA60
C1006
VCK0045
J1001
C1007
*PAT
R1025
1000(FR)
D1006
8P2M
R1026
VSF0078
C1008
200V820
ECEC2DG821DB
R1031
270K(G)
R1033
270K(G)
R1032
*PAT
C1010
200V1(GE)
C1009
100V10(GE)
R1024
270(1W)
ERG1SJ271E
D1007
VSD0002-T1
J1004
*PAT
L1009
EXCELSA35B
R1005
56K(3W)
D1020
MA4360HTA
R1034
33K(FR)
D1021
*PAT
J1002
*PAT
J1005
*PAT
J1007
*PAT
R1004
56K(3W)
C1013
680V0.047
ECQE6473MZ
C1014
500V150P
ECKR2H151KB5
D1014
VSD0002-T1
R1035
33K(FR)
TP1002
VJR0098
R1018
33K(FR)
R1019
33K(FR)
R1030
3R9(FR)
D1015
VSD0001-T1
C1015
35V47(XLV)
T1001
VLT0728
D1019
RD12UE
R1020
1M
D1016
MA4200HTA
R1021
1M
R1012
10K(FR)
IC1001
STRM6543LF
OVP
VCC
DRV
LATCH
OSC
NFB
OCP
TP1001
VJR0098
L1003
VLP0074
J1003
*PAT
R1006
220(FR)
C1016
270P
R1011
100(FR)
R1010
1500(FR)
D1005
MA723-TA
D1022
*PAT
R1022
220K(FR)
C1018
16V220(XLV)
C1017
1000P
R1007
27
R1008
22
R1009
0.18(1W)
ERX1PKR18T
Q1001
PS2561L1-1WL
R1014
560
R1015
2700(F)
R1013
270
R1016
0
C1019
0.047(B)(J)
IC1002
TL431CLP
R1017
2200(F)
R1027
62K(G)
D1012
VSD0001-T1
C1033
63V56(FE)
C1032
500V100P
D1011
FMLG12SP
C1031
35V680(FQ)
L1006
22U
VLQ0354
D1013
RL2ZP
C1038
500V100P
C1039
25V330(FZL)
C1025
500V100P
D1010
FMLG12SP
C1026
25V1200(FZL)
L1007
22U
VLQ0410T
Q1002
2SD1474
C1028
0.01
C1029
16V47(GE)
J1006
0
C1020
*PAT
D1008
FMB-24H
C1021
10V3300(FZL)
C1022
10V3300(FZL)
L1004
2R2U
VLQ0605
C1023
16V1500(FQ)
C1024
0.56(Y)
R1028
1(3W)
ERX3SJ1R0P
D1017
31DQ04FC5
C1036
16V820(FZ)
L1008
22U
VLQ0410T
R1029
*PAT
P1003
VJP3088
1 UNREG+18V
2 UNREG+18V
3 UNREG+30V
4 UNREG-14V
5
6 UNREG-7V
7 M_GND
8 M_GND
P1002
VJP1153
1 D_GND
2 D_GND
3 A_GND
4 A_GND
5 A+5.5V
6 D+5.5V
7 D+5.5V
8 UNREG+14V
9 Q1002_B
10 A12V
VJB01559
VJB01560

CAUTION

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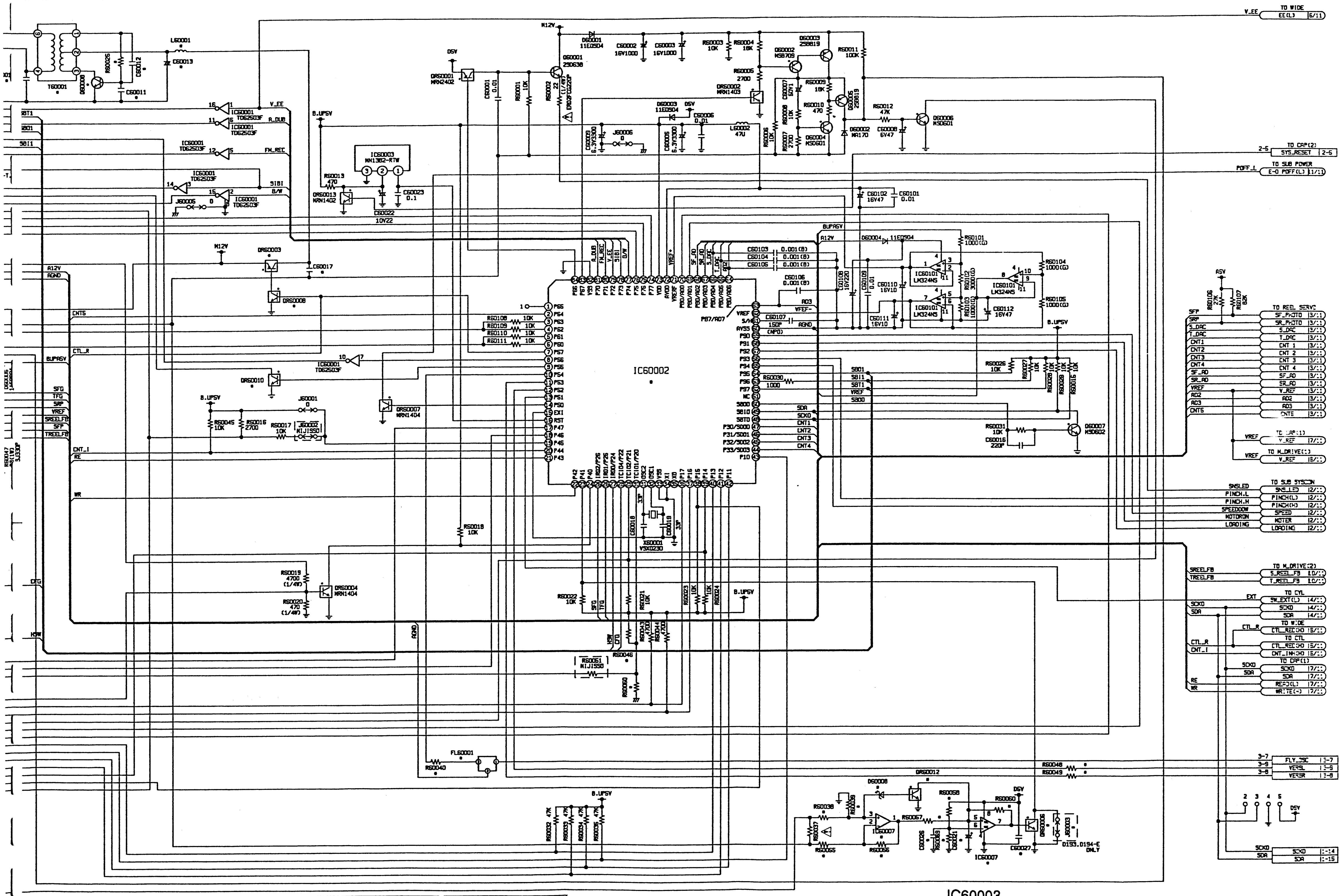
CHEMATIC DIAGRAM 1/11


3
4
5
6
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8
9
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11
12
13
14
15
16
IC60002
IC60003
MN1382-RTW
IC60001
TD62503F
IC60101
LM324NS
IC60007
X60001
VSX0230
FL60001
D193.0194-E ONLY
TO WIDE
TO CAP(2)
TO SUB POWER
TO REEL SERVO
TO CAP(1)
TO M_DRIVE(1)
TO SUB SYSTEM
TO M_DRIVE(2)
TO CYL
TO CTL
M12V
B.UPSV
D5V
A5V
VREF

SYSTE

REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF

IC60003
MN1382-RTW

=INPUT SIGNAL
=OUTPUT SIGNAL
*=REFER TO THE COMPARISON CHART
Ref No 60000 Series

REF	DS555/DS545
C60020	50V1
C60021	50V4.7
C60026	0.1
C60027	0.01
D60008	MA3043-M

REF	DS555/DS545
R60055	10K
R60056	47K
R60057	8200
R60058	39K
R60059	10K

REF	DS555	DS545
C60010	0.033	———
C60011	0.0047 (B) (J)	———
C60012	0.01 (B) (J)	———
C60013	16V10	———
C60017	0.01	———

REF	DS555	DS545
R60025	33K (1/4W)	———
R60040	100	———
R60048	100	———
R60049	100	———
T60001	EIO7OF002B	———

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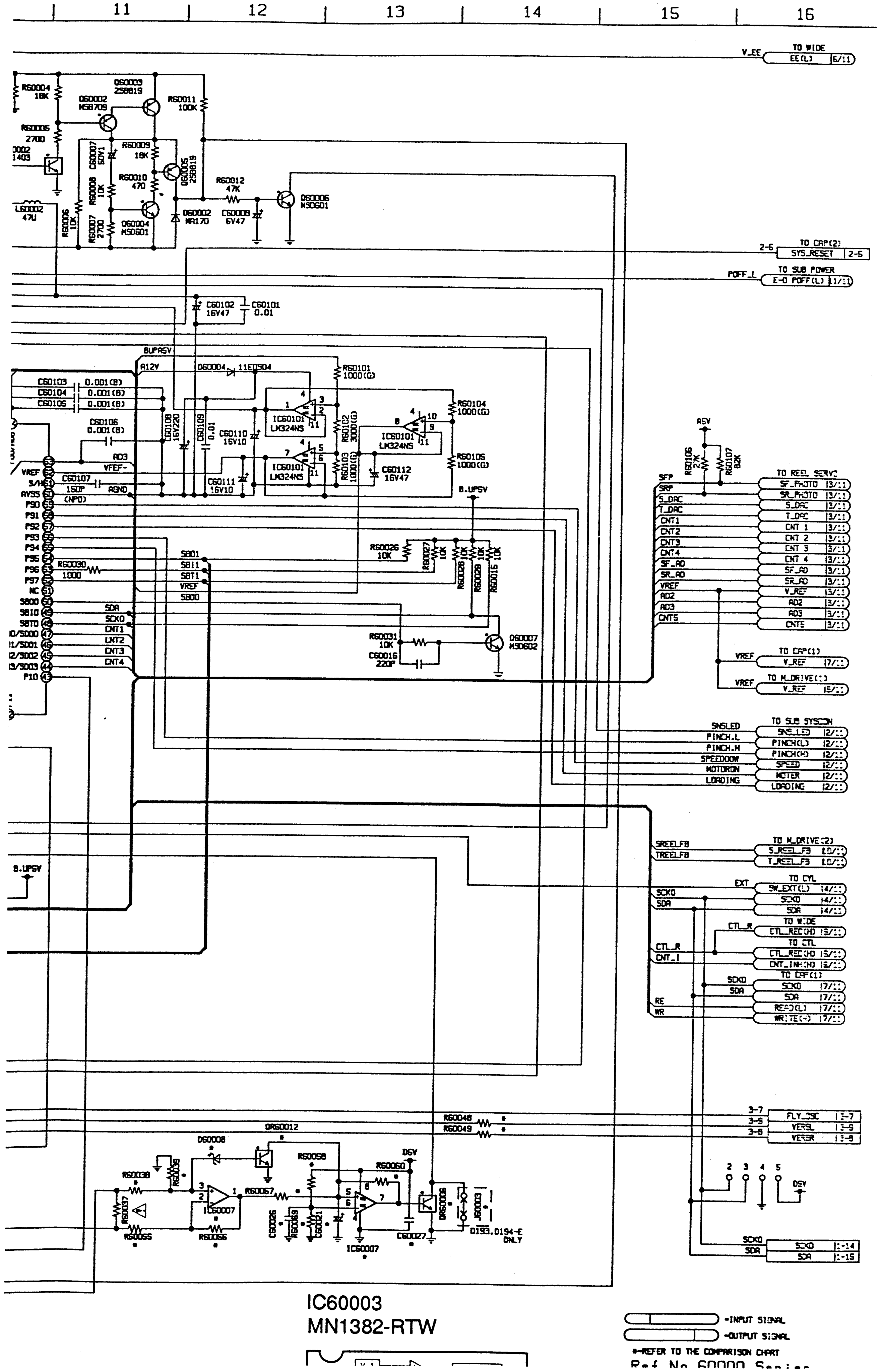
TYPE.

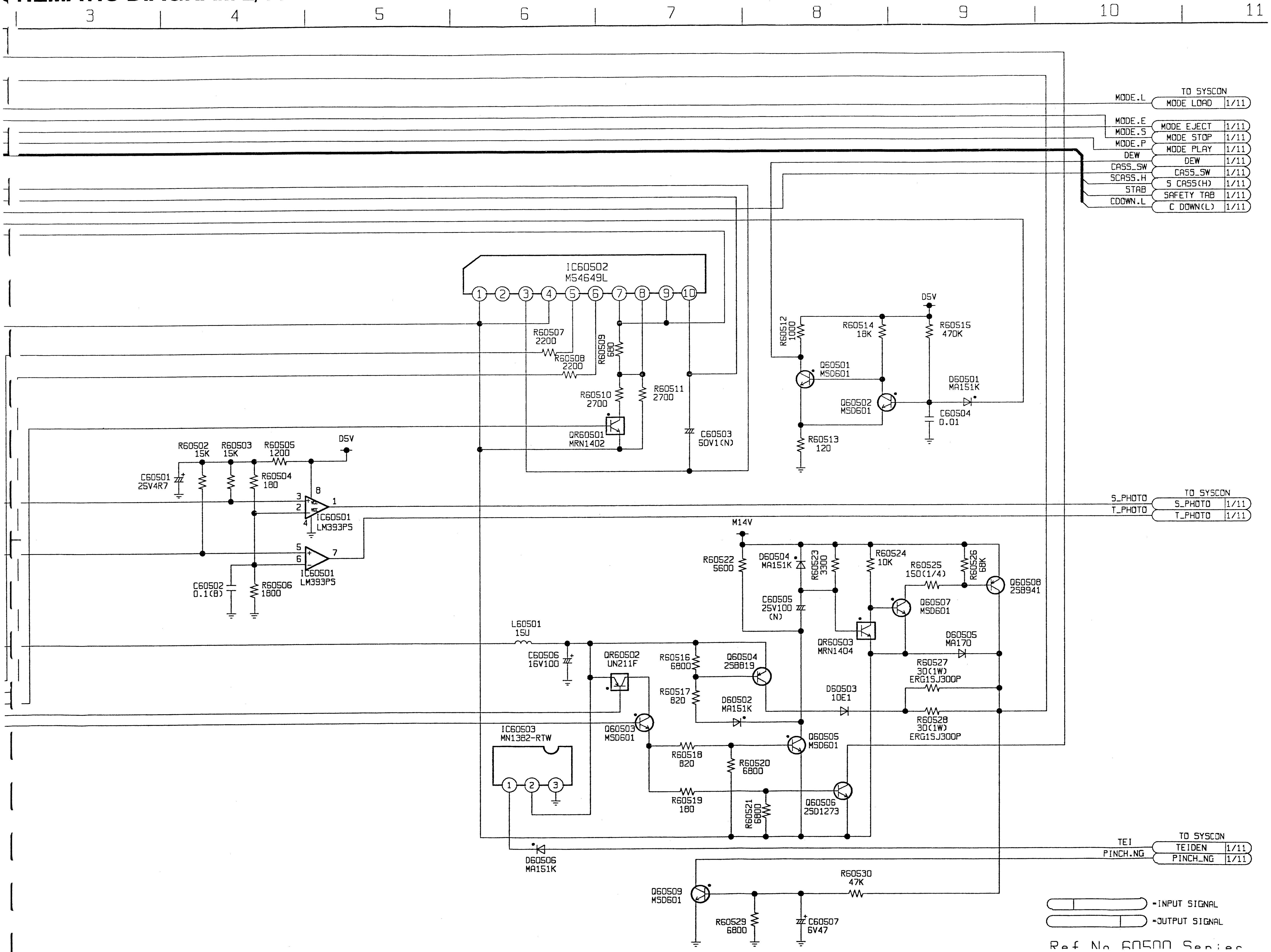

11
12
13
14
15
16
V_EE
TO WIDE
EE(L)
6/11
R60004 18K
Q60003 2SB819
Q60002 MSB709
R60011 100K
R60005 2700
C60007 6V1
R60009 18K
R60010 470
R60008 10K
R60006 10K
R60007 2700
Q60004 MSD601
Q60005 2SB819
R60012 47K
D60002 MA170
C60008 6V47
Q60006 MSD601
L60002 47U
2-5
TO CAP(2)
SYS_RESET
2-5
POFF_L
TO SUB POWER
E-O POFF(L)
C60102 16V47
C60101 0.01
BUPRSV
A12V
D60004 11EQS04
R60101 1000(D)
C60103 0.001(B)
C60104 0.001(B)
C60105 0.001(B)
C60106 0.001(B)
C60108 16V220
C60109 0.01
C60110 16V10
C60111 16V10
IC60101 LM324NS
R60102 3000(D)
R60103 1000(D)
R60104 1000(D)
R60105 1000(D)
C60112 16V47
C60107 150P (NPO)
VREF
S/H
AVSS
P30
P31
P32
P33
P34
P35
P36
P37
NC
R60030 1000
S800
S810
S8TO
SDA
SCKO
CNT1
CNT2
CNT3
CNT4
P10
RO3
VFEF-
AGND
S801
S811
S8T1
VREF
S800
R60026 10K
R60027 10K
R60028 10K
R60029 10K
R60016 10K
R60031 10K
C60016 220P
Q60007 MSD602
B.UPSV
A5V
R60106 27K
R60107 82K
SFP
SRP
S_DAC
T_DAC
CNT1
CNT2
CNT3
CNT4
SF_AD
SR_AD
VREF
AD2
AD3
CNT5
TO REEL SERVO
SF_PHOTO
SR_PHOTO
S_DAC
T_DAC
CNT 1
CNT 2
CNT 3
CNT 4
SF_AD
SR_AD
V_REF
AD2
AD3
CNTE
VREF
TO CAP(1)
V_REF
VREF
TO M_DRIVE(2)
V_REF
SNSLED
PINCH.L
PINCH.H
SPEEDOW
MOTORON
LOADING
TO SUB SYSTEM
SNS_LED
PINCH(L)
PINCH(H)
SPEED
MOTER
LOADING
SREELFB
TREELFB
TO M_DRIVE(2)
S_REEL_FB
T_REEL_FB
EXT
TO CYL
SW_EXT(L)
SCKO
SDA
SCKO
SDA
CTL_R
TO WIDE
CTL_REC(H)
TO CTL
CTL_R
CNT_I
CTL_REC(H)
CNT_IN(H)
TO CAP(1)
SCKO
SDA
SCKO
SDA
RE
WR
READ(L)
WRITE(H)
B.UPSV
R60048
R60049
3-7
3-9
3-8
FLY_DSC
VERSL
VERSR
D60008
QR60012
R60038
R60039
R60058
D5V
R60060
R60037
R60055
R60056
R60057
IC60007
C60026
C60025
C60021
C60027
QR60013
D60003
D193,D194-E ONLY
2 3 4 5
D5V
SCKO
SDA
SCKO
SDA
-INPUT SIGNAL
-OUTPUT SIGNAL
*-REFER TO THE COMPARISON CHART
Ref No 60000 Series

IC60003
MN1382-RTW

SYSTEM CONTROL

REF. NO. / MODE	IC60001																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0	0.1	0	0	0	0	0	0	11.5	4.6	0.2	0.2	5.0	1.7	0				
REC	0	0	0.1	0	0	0	0	0	0	0	4.6	0.2	0.2	5.0	1.7	5.0				
FF	0	0	0.1	0	0	0	0	0	0	11.5	4.6	0.4	0.4	5.0	1.7	5.0				
REF. NO. / MODE	IC60002																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0.8	4.8	0	0	0	0	0	0	0	0	0	0	4.9	0	0	4.9	0	4.7	4.9	0
REC	0.8	4.8	0	0	0	0	4.8	4.7	4.8	0	3.2	3.2	4.9	0	0	4.9	0	4.7	4.9	0
FF	0.9	0	0	0	0	0	0	0	0	0	0	0	4.9	0	0	4.9	0	4.8	4.9	0
REF. NO. / MODE	IC60002																			
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	4.5	0	0	0.1	4.7	0.1	2.5	0	4.9	4.9	1.5	—	0	0	4.8	4.9	4.9	0	0	0
REC	4.5	0	0	0	2.8	2.3	2.6	2.5	4.9	4.9	1.5	—	0	0	4.8	4.9	4.9	0	0	0
FF	4.6	0	0	0.1	2.5	2.2	2.6	5.2	0	0	0	—	0	0	4.9	4.9	4.9	0	0	4.9
REF. NO. / MODE	IC60002																			
	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	4.8	4.8	4.8	4.8	0	4.8	0	5.0	4.6	0.2	0.3	4.7	4.5	4.9	4.8	0	0	0	0	0
REC	4.8	4.8	4.8	4.8	0	4.8	0	5.0	4.6	0.2	0.2	4.8	4.5	4.9	4.8	0	0	0	0	0
FF	4.9	0	4.9	4.9	4.9	4.9	4.9	5.0	4.7	0.2	0.2	4.8	4.5	4.9	0	4.9	0	0	0	0
REF. NO. / MODE	IC60002																			
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	1.1	0.9	1.6	2.3	2.3	2.5	4.6	2.4	2.6	0.6	3.8	4.8	4.8	4.7	0.5	4.2	0	0.1	0	0
REC	1.1	0.9	1.0	2.3	2.3	2.5	4.6	2.4	2.6	0.6	3.8	4.9	4.9	4.8	0.5	4.3	0	0.1	0	0
FF	0.7	0.9	1.0	3.7	3.1	0	0.6	0.2	2.6	0.6	3.8	4.9	4.9	4.9	0.5	1.3	0	0.1	0	0
REF. NO. / MODE	IC60002				IC60003			IC60007												
	81	82	83	84	V	G	O	1	2	3	4	5	6	7	8					
STOP	0	0	0	4.5	4.9	0	4.9	1.6	0.3	0.3	0	1.6	1.1	4.0	5.1					
REC	0	0	0	4.5	4.8	0	4.8	1.5	0.3	0.3	0	1.6	1.1	4.0	5.1					
FF	0	0	0	4.6	4.9	0	4.9	1.5	0.3	0	0	1.6	1.1	4.0	5.2					
REF. NO. / MODE	IC60101																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	3.8	3.8	3.8	11.5	1.0	1.0	1.0	2.4	2.4	2.4	0	0.3	0.3	11.4						
REC	3.8	3.8	3.8	11.5	1.0	1.0	1.0	2.4	2.4	2.4	0	0.4	0.4	10.3						
FF	3.8	3.8	3.8	11.5	1.0	1.0	1.0	2.4	2.4	2.4	0	0.3	0.3	10.3						
REF. NO. / MODE	Q60001			Q60002			Q60003			Q60004			Q60005			Q60006				
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	0.5	13.0	0.4	12.2	0	12.7	12.8	0	12.3	0	0	0	0	0.1	0	0	4.9	0.1		
REC	0.5	13.0	0.4	12.1	0	12.6	12.8	0	12.3	0	0	0	0	0	0	0	4.9	0		
FF	0.6	13.0	0.4	12.1	0	12.6	12.8	0	12.3	0	0	0	0	0	0	0	4.9	0		
REF. NO. / MODE	Q60007			Q60008																
	E	C	B	E	C	B														
STOP	0	4.6	0.1	0	0.1	0.1														
REC	0	4.6	0.1	0	12.3	–0.7														
FF	0	4.6	0.2	0	0.2	0.2														
REF. NO. / MODE	QR60001			QR60002			QR60003			QR60004			QR60006			QR60007				
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	5.2	0.4	4.5	0	12.6	0	12.8	0.2	12.8	0	0.1	2.9	0	0	4.0	0	5.3	0		
REC	5.1	0.4	4.5	0	12.6	0	12.8	12.7	0	0	0	0	0	0	4.0	0	5.3	0		
FF	5.2	0.4	4.6	0	12.6	0	12.8	0.3	12.8	0	0.1	2.9	0	0	4.0	0	5.3	0		
REF. NO. / MODE	QR60008			QR60010			QR60013			QR60012										
	E	C	B	E	C	B	E	C	B	E	C	B								
STOP	0	13.0	0	0	3.7	0	0	4.8	0	0	1.6	0								
REC	0	0.1	4.8	0	0.1	4.9	0	4.8	0	0	1.6	0								
FF	0	13.0	0	0	3.7	0	0	4.9	0	0	1.6	0								

HEMATIC DIAGRAM 2/11



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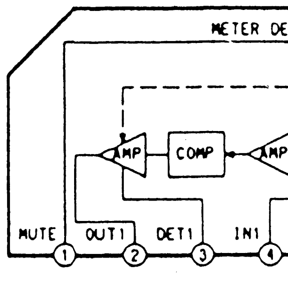
10
11
MODE.L
MODE.E
MODE.S
MODE.P
DEW
CASS_SW
SCASS.H
STAB
CDOWN.L
TO SYSCON
MODE LOAD 1/11
MODE EJECT 1/11
MODE STOP 1/11
MODE PLAY 1/11
DEW 1/11
CASS_SW 1/11
S CASS(H) 1/11
SAFETY TAB 1/11
C DOWN(L) 1/11
IC60502
M54649L
R60507 2200
R60508 2200
R60509 680
R60510 2700
R60511 2700
QR60501 MRN1402
C60503 50V1(N)
D5V
R60512 1000
R60514 18K
R60515 470K
Q60501 MSD601
Q60502 MSD601
D60501 MA151K
C60504 0.01
R60513 120
R60502 15K
R60503 15K
R60505 1200
R60504 180
C60501 25V4R7
IC60501 LM393PS
C60502 0.1(B)
R60506 1800
S_PHOTO
T_PHOTO
TO SYSCON
S_PHOTO 1/11
T_PHOTO 1/11
M14V
R60522 5600
D60504 MA151K
R60523 3300
R60524 10K
R60525 150(1/4)
R60526 68K
Q60508 2SB941
C60505 25V100 (N)
Q60507 MSD601
QR60503 MRN1404
D60505 MA170
R60527 30(1W) ERG1SJ300P
R60528 30(1W) ERG1SJ300P
D60503 10E1
L60501 15U
C60506 16V100
QR60502 UN211F
R60516 6800
Q60504 2SB819
R60517 820
D60502 MA151K
Q60503 MSD601
Q60505 MSD601
R60518 820
R60520 6800
R60519 180
R60521 6800
Q60506 2SD1273
IC60503 MN1382-RTW
D60506 MA151K
TEI
PINCH.NG
TO SYSCON
TEIDEN 1/11
PINCH_NG 1/11
R60530 47K
Q60509 MSD601
R60529 6800
C60507 6V47
=INPUT SIGNAL
=OUTPUT SIGNAL

Ref No 60500 Series

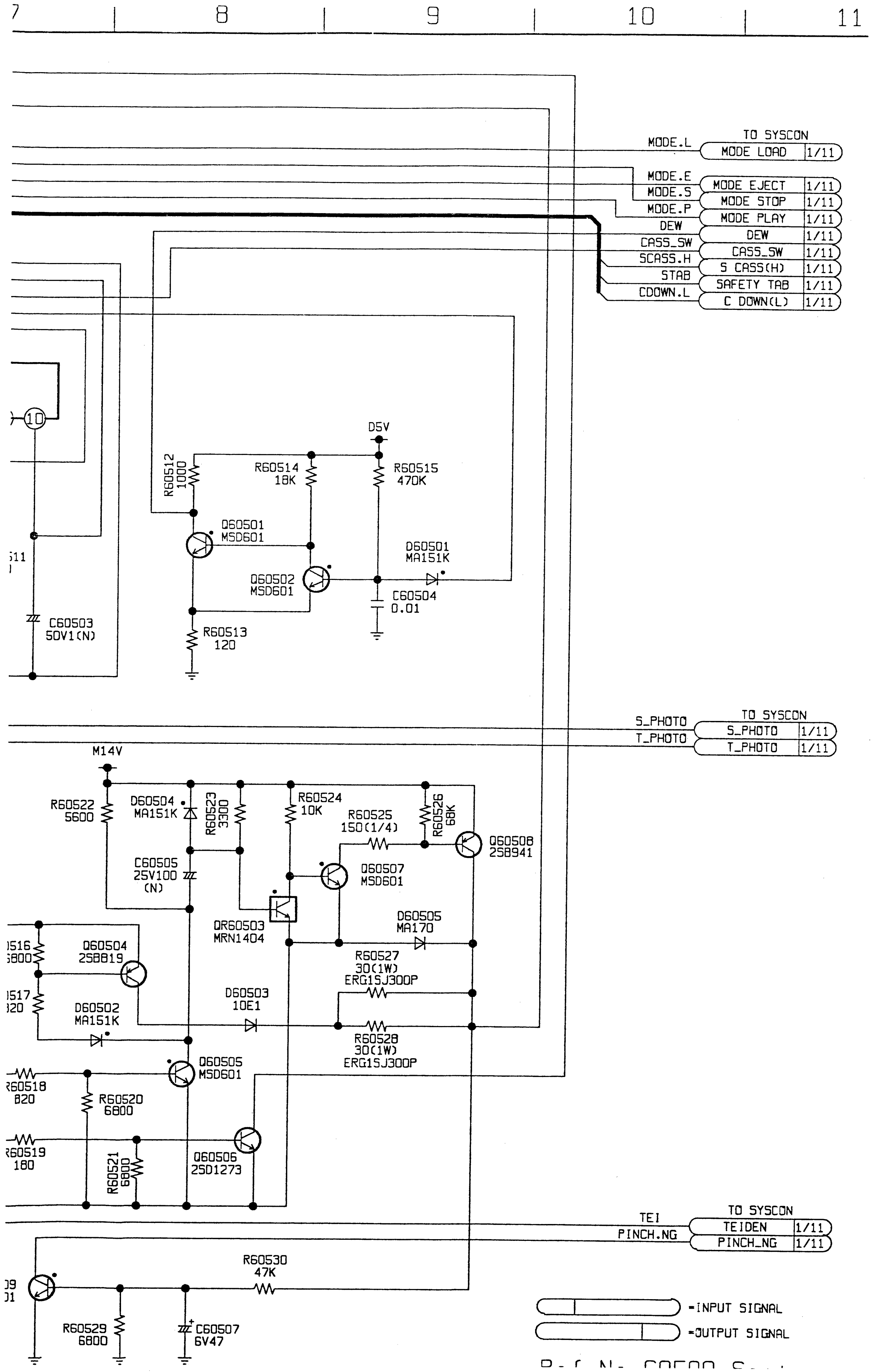
IC60502
M54649L



METER DE
AMP
COMP
AMP
MUTE
OUT1
DET1
IN1
1
2
3
4

SUB SYSTEM C

REF. NO. / MODE		
	1	2
STOP	4.9	2.9
REC	4.8	2.9
FF	4.9	2.9
REF. NO. / MODE	Q60501	
	E	C
STOP	0.6	0.6
REC	0.6	0.6
FF	0.6	0.6
REF. NO. / MODE	Q60507	
	E	C
STOP	0	14.8
REC	0	14.8
FF	0	14.8
REF. NO. / MODE	QR6050	
	E	C
STOP	0	10.3
REC	0	10.2
FF	0	10.2


7
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9
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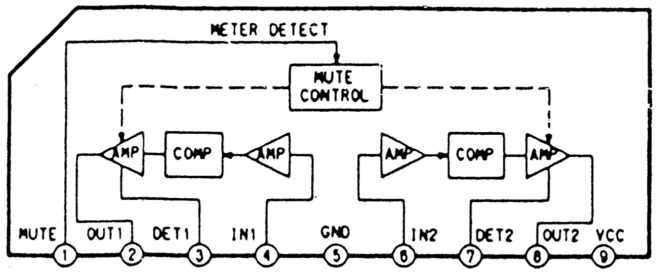
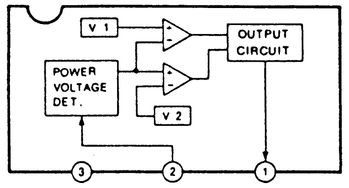
11
MODE.L
TO SYSCON
MODE LOAD 1/11
MODE.E
MODE EJECT 1/11
MODE.S
MODE STOP 1/11
MODE.P
MODE PLAY 1/11
DEW
DEW 1/11
CASS_SW
CASS_SW 1/11
SCASS.H
S CASS(H) 1/11
STAB
SAFETY TAB 1/11
CDOWN.L
C DOWN(L) 1/11
10
D5V
R60512 1000
R60514 18K
R60515 470K
Q60501 MSD601
D60501 MA151K
Q60502 MSD601
C60504 0.01
C60503 50V1(N)
R60513 120
S_PHOTO
TO SYSCON
S_PHOTO 1/11
T_PHOTO
T_PHOTO 1/11
M14V
R60522 5600
D60504 MA151K
R60523 3300
R60524 10K
R60525 150(1/4)
R60526 68K
Q60508 2SB941
C60505 25V100 (N)
Q60507 MSD601
QR60503 MRN1404
D60505 MA170
Q60504 2SB819
R60527 30(1W) ERG1SJ300P
D60503 10E1
D60502 MA151K
R60528 30(1W) ERG1SJ300P
Q60505 MSD601
R60518 820
R60520 6800
R60519 180
R60521 6800
Q60506 2SD1273
TEI
PINCH.NG
TO SYSCON
TEIDEN 1/11
PINCH_NG 1/11
R60530 47K
R60529 6800
C60507 6V47
=INPUT SIGNAL
=OUTPUT SIGNAL

IC60502
M54649L


METER DETECT
MUTE CONTROL
AMP
COMP
AMP
AMP
COMP
AMP
MUTE
OUT1
DET1
IN1
GND
IN2
DET2
OUT2
VCC
1
2
3
4
5
6
7
8
9

IC60503
MN1382-RTW


V 1
V 2
POWER VOLTAGE DET.
OUTPUT CIRCUIT
3
2
1

SUB SYSTEM CONTROL

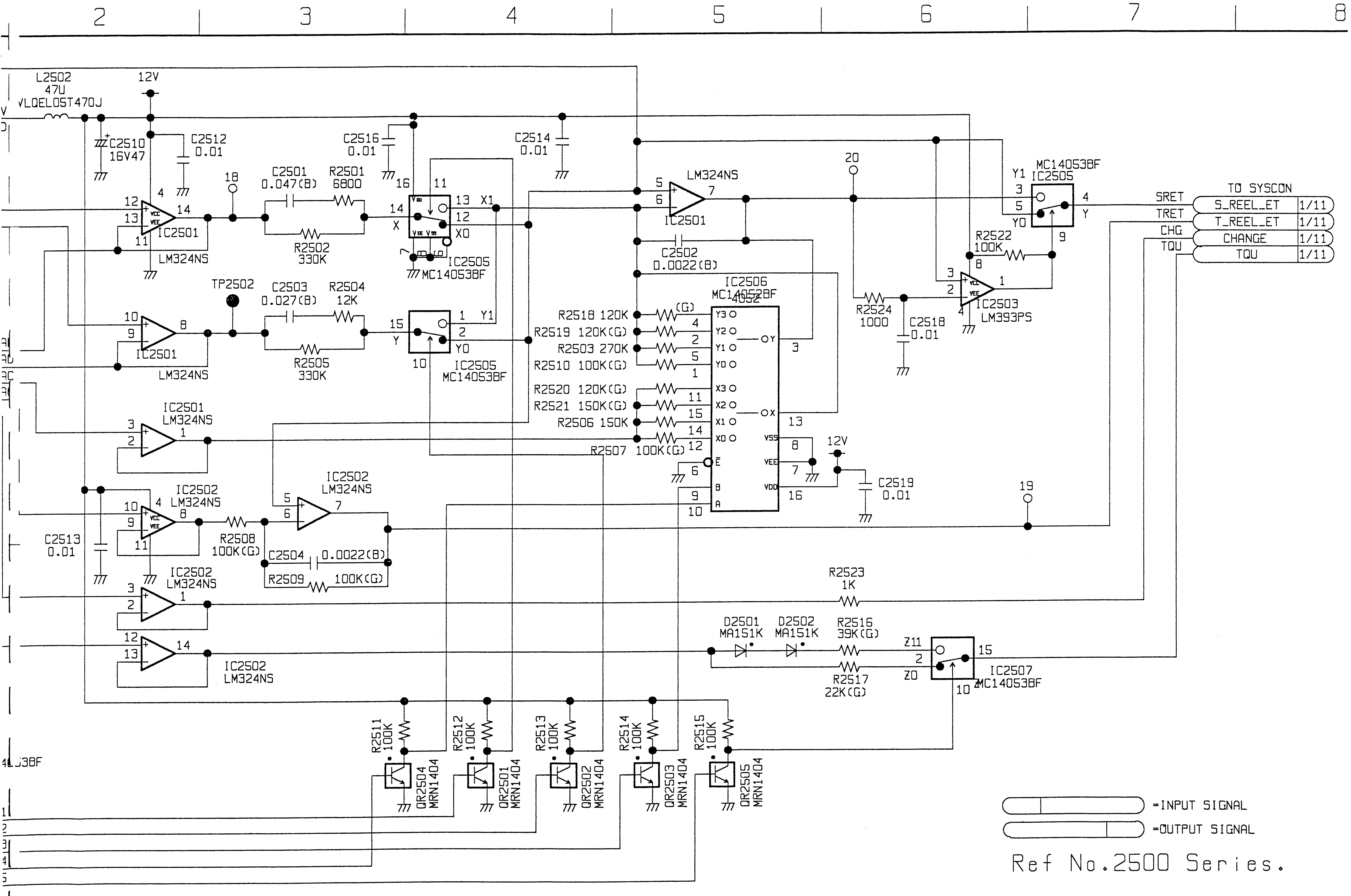
REF. NO. / MODE	IC60501								IC60502											
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	9	10		
STOP	4.9	2.9	3.2	0	3.2	2.9	4.9	5.1	0	0.2	0.2	0	0	0	12.9	10.3	12.9	0.2		
REC	4.8	2.9	3.2	0	3.2	2.9	4.8	5.1	0	0.2	0.2	0	0	0	12.9	10.3	12.9	0.2		
FF	4.9	2.9	3.2	0	3.2	2.9	4.9	5.2	0	0.2	0.2	0	0	0	12.9	10.3	12.9	0.2		

REF. NO. / MODE	Q60501			Q60502			Q60503			Q60504			Q60505			Q60506				
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	0.6	0.6	1.2	0.6	1.2	0.4	4.2	4.8	4.8	5.0	4.8	4.2	0	0	0.8	0	0	0.7		
REC	0.6	0.6	1.2	0.6	1.2	0.4	4.2	4.8	4.8	5.0	4.8	4.2	0	0	0.8	0	0	0.7		
FF	0.6	0.6	1.2	0.6	1.2	0.4	0	0.4	0	5.2	–0.4	5.2	0	14.9	0	0	0	0		

REF. NO. / MODE	Q60507			Q60508			Q60509		
	E	C	B	E	C	B	E	C	B
STOP	0	14.8	0	14.9	1.4	14.8	0	4.9	0.2
REC	0	14.8	0	14.9	1.4	14.8	0	4.8	0.2
FF	0	14.8	0	14.9	0	14.8	0	4.9	0

REF. NO. / MODE	QR60501			QR60502			QR60503		
	E	C	B	E	C	B	E	C	B
STOP	0	10.3	0	4.9	4.8	0	0	0	13.9
REC	0	10.2	0	4.9	4.8	0	0	0	13.9
FF	0	10.2	0	5.2	0.3	4.9	0	0	13.9

TIC DIAGRAM 3/11



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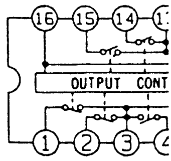
L2502
47U
VLQEL05T470J
12V
C2510
16V47
C2512
0.01
C2516
0.01
C2514
0.01
18
20
C2501
0.047(B)
R2501
6800
R2502
330K
IC2501
LM324NS
IC2505
MC14053BF
X1
X0
Y1
Y0
TP2502
C2503
0.027(B)
R2504
12K
R2505
330K
C2502
0.0022(B)
IC2506
MC14052BF
R2518 120K
R2519 120K(G)
R2503 270K
R2510 100K(G)
R2520 120K(G)
R2521 150K(G)
R2506 150K
R2507 100K(G)
R2522
100K
R2524
1000
C2518
0.01
IC2503
LM393PS
C2519
0.01
19
IC2502
LM324NS
C2513
0.01
R2508
100K(G)
C2504
0.0022(B)
R2509
100K(G)
R2523
1K
D2501
MA151K
D2502
MA151K
R2516
39K(G)
R2517
22K(G)
Z11
Z0
IC2507
MC14053BF
R2511 100K
R2512 100K
R2513 100K
R2514 100K
R2515 100K
QR2504 MRN1404
QR2501 MRN1404
QR2502 MRN1404
QR2503 MRN1404
QR2505 MRN1404
TO SYSCON
SRET
TRET
CHG
TQU
S_REEL_ET
T_REEL_ET
CHANGE
TQU
1/11
1/11
1/11
1/11
=INPUT SIGNAL
=OUTPUT SIGNAL
4L_3BF

Ref No.2500 Series.

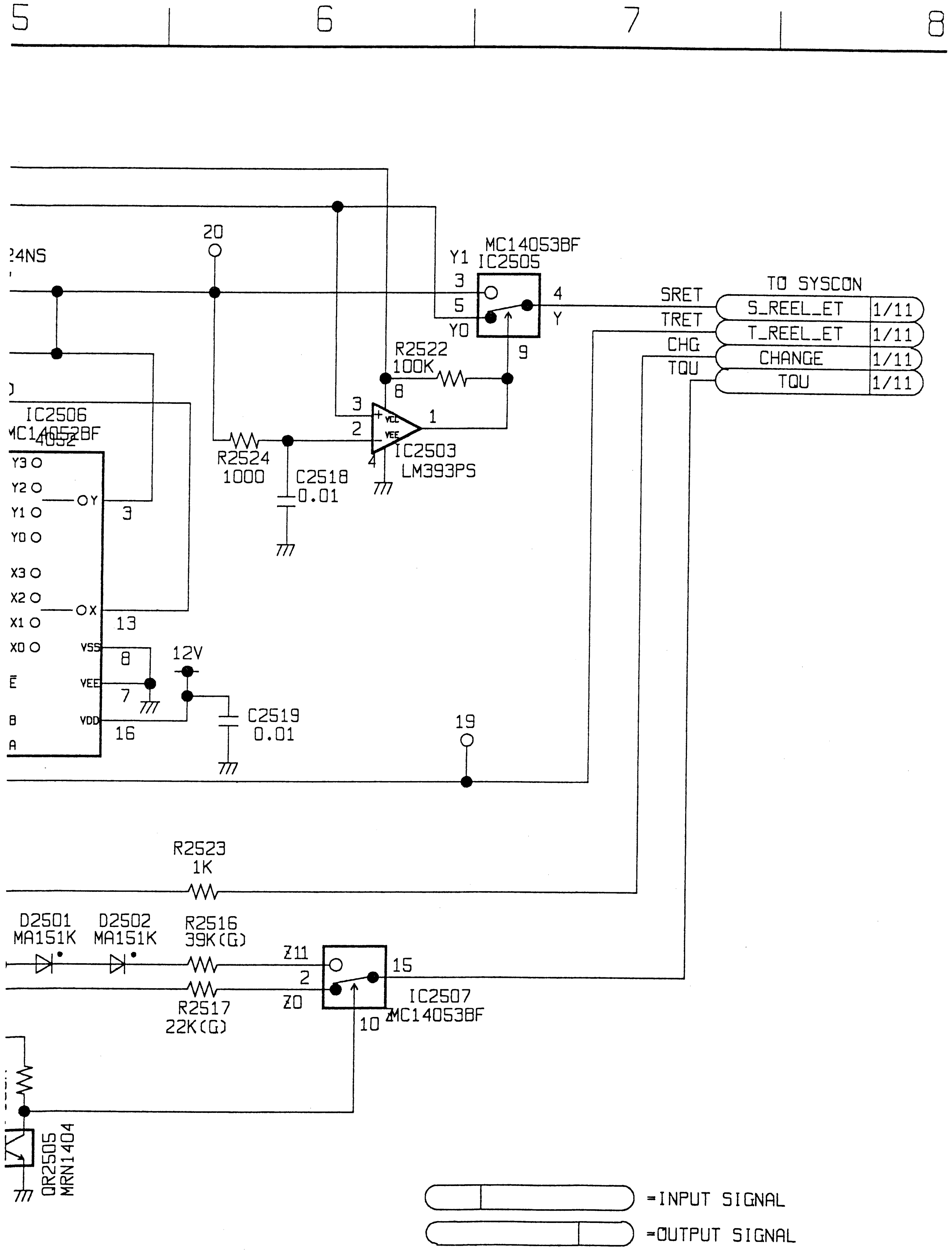
IC2506
MC14052B



OUTPUT CONT

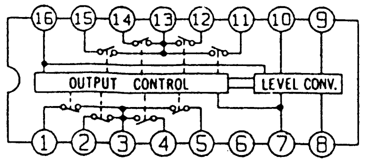
REEL SE

REF. NO. / MODE	
STOP	
REC	
FF	
REF. NO. / MODE	
STOP	
REC	
FF	
REF. NO. / MODE	
STOP	
REC	
FF	
REF. NO. / MODE	
STOP	
REC	
FF	
REF. NO. / MODE	
STOP	
REC	
FF	
REF. NO. / MODE	
STOP	
REC	
FF	
REF. NO. / MODE	
STOP	
REC	
FF	


5
6
7
8
24NS
20
MC14053BF
Y1 IC2505
3
5
Y0
4
Y
9
SRET
TRET
CHG
TQU
TO SYSCON
S_REEL_ET 1/11
T_REEL_ET 1/11
CHANGE 1/11
TQU 1/11
R2522
100K
8
3
2
1
4
IC2503
LM393PS
R2524
1000
C2518
0.01
IC2506
MC14052BF
4052
Y3
Y2
Y1
Y0
OY
3
X3
X2
X1
X0
OX
13
VSS
8
VEE
7
VDD
16
12V
C2519
0.01
19
R2523
1K
D2501
MA151K
D2502
MA151K
R2516
39K(G)
R2517
22K(G)
Z11
2
Z0
15
10
IC2507
MC14053BF
QR2505
MRN1404
=INPUT SIGNAL
=OUTPUT SIGNAL

Ref No.2500 Series.

IC2506
MC14052BF


16
15
14
13
12
11
10
9
OUTPUT CONTROL
LEVEL CONV.
1
2
3
4
5
6
7
8

REEL SERVO

REF. NO.	IC2501													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	3.2	3.2	3.1	11.7	2.4	2.4	2.0	4.6	4.6	4.6	0	2.4	2.4	2.4
REC	2.5	2.5	2.5	11.7	2.4	2.4	2.2	4.6	4.6	4.6	0	2.4	2.4	2.4
FF	2.4	2.4	2.3	11.7	2.4	2.4	2.3	0.6	0.6	0.6	0	0.2	0.2	0.2

REF. NO.	IC2502													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	2.4	2.4	2.4	11.7	2.4	2.4	2.4	2.4	2.4	2.4	0	1.6	1.7	1.7
REC	2.4	2.4	2.3	11.7	2.4	2.4	2.4	2.4	2.4	2.4	0	1.0	1.0	1.0
FF	3.8	3.8	3.8	11.7	2.4	2.4	1.5	2.8	2.7	2.7	0	1.6	1.6	1.5

REF. NO.	IC2503							
MODE	1	2	3	4	5	6	7	8
STOP	11.6	2.2	2.4	0	0.5	0.5	0	11.7
REC	11.6	2.2	2.4	0	0.5	0.5	0	11.7
FF	11.6	2.3	2.4	0	0.5	0.5	0	11.7

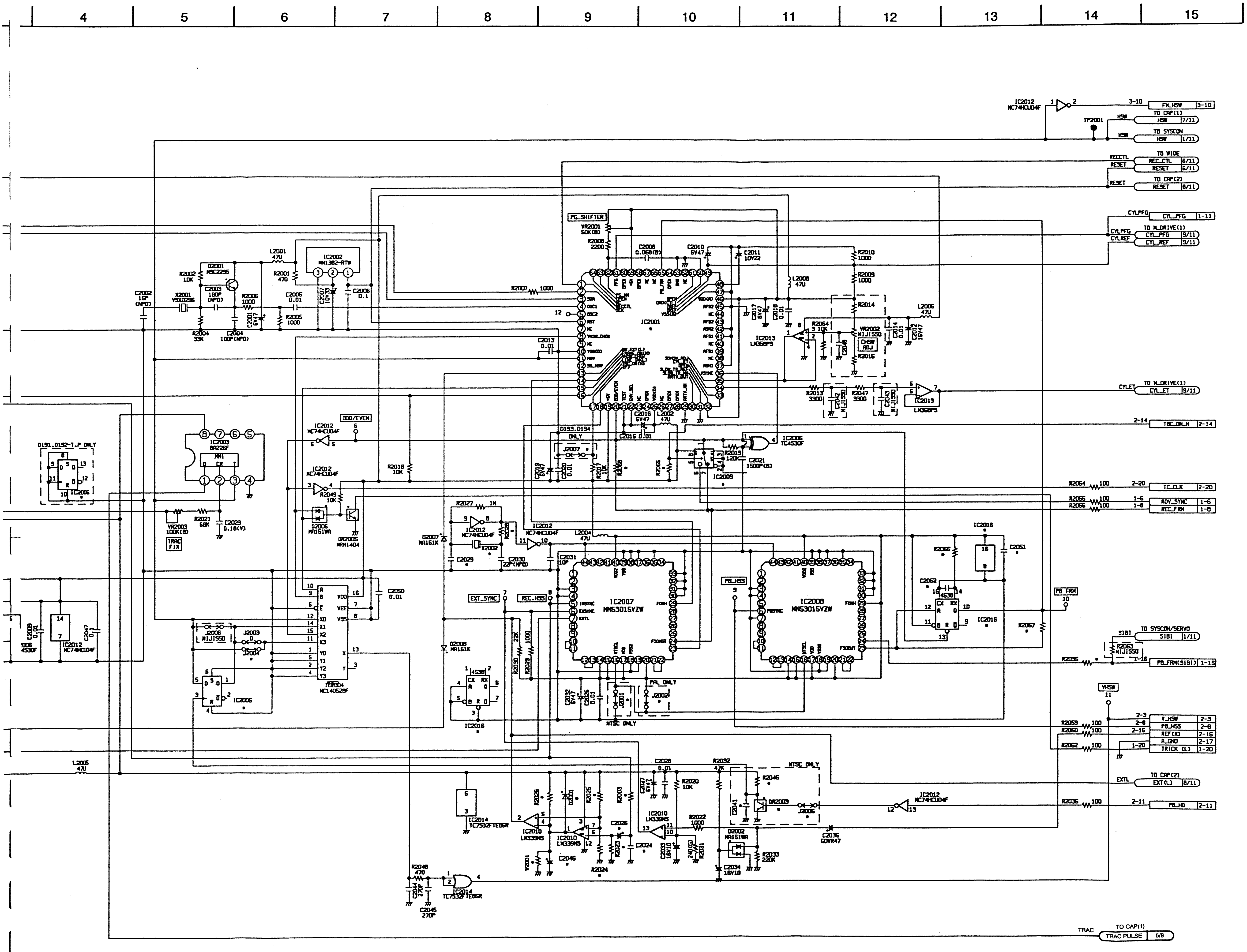
REF. NO.	IC2505															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	2.4	2.4	2.0	2.0	2.4	0	0	0	11.6	0	11.6	2.4	2.4	2.4	2.4	11.7
REC	2.4	2.4	2.2	2.2	2.4	0	0	0	11.6	0	11.6	2.4	2.4	2.4	2.4	11.7
FF	2.4	2.4	2.3	2.3	2.4	0	0	0	11.6	0	0	2.4	2.4	2.4	2.4	11.7

REF. NO.	IC2506															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	2.3	2.1	2.1	2.3	2.3	0	0	0	11.6	0	2.6	2.6	2.4	2.5	2.4	11.7
REC	2.3	2.2	2.2	2.3	2.3	0	0	0	11.6	0	2.5	2.5	2.4	2.5	2.4	11.7
FF	2.3	2.3	2.3	2.3	2.3	0	0	0	0	0	2.3	2.4	2.4	2.3	2.3	11.7

REF. NO.	IC2507															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	1.4	0.1	0.3	0.3	0.3	0	0	0	0	0	0	0.2	0.2	0.2	0.1	11.7
REC	0.8	0.1	0.3	0.3	0.3	0	0	0	0	0	0	0.3	0.3	0.3	0.1	0
FF	0.1	1.8	0.3	0.3	0.3	0	0	0	0	11.6	0	0.3	0.3	0.3	0	11.7

REF. NO.	QR2501			QR2502			QR2503			QR2504			QR2505		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	11.6	0	0	0	4.9	0	11.6	0	0	0	4.9	0	0	4.9
REC	0	11.6	0	0	0	4.9	0	11.6	0	0	0	4.9	0	0	4.9
FF	0	0	4.9	0	0	4.9	0	0	4.9	0	0	4.9	0	11.6	0

AGRAM 4/11



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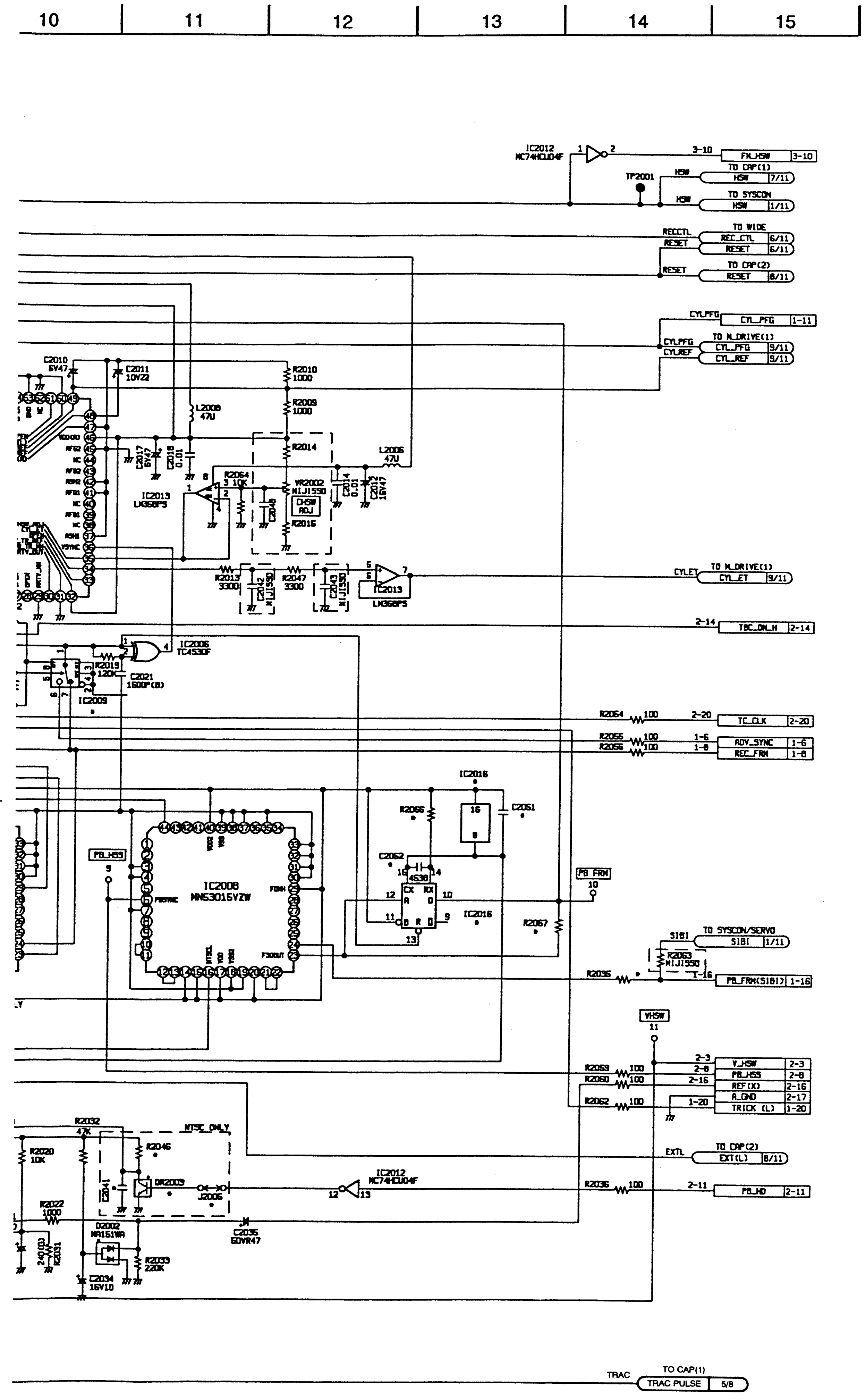
14
15
IC2012 MC74HCU04F
3-10
FM_HSW 3-10
TP2001
HSW
TO CAP(1) HSW 7/11
TO SYSCON HSW 1/11
TO WIDE
RECCTL REC_CTL 6/11
RESET RESET 6/11
TO CAP(2) RESET 8/11
CYLPFG CYL_PFG 1-11
TO M_DRIVE(1)
CYLPFG CYL_PFG 9/11
CYLREF CYL_REF 9/11
PG_SHIFTER
VR2001 50K(B)
R2008 2200
C2008 0.068(B)
C2010 6V47
C2011 10V22
R2010 1000
R2009 1000
L2008 47U
R2014
L2006 47U
IC2001
IC2002 MN1382-RTW
L2001 47U
Q2001 MSC2295
R2002 10K
C2003 180P (NPO)
X2001 YSX0296
C2002 15P (NPO)
R2004 33K
C2004 100P(NPO)
R2006 1000
C2001 6V47
C2005 0.01
R2005 1000
R2001 470
C2007 10V22
C2006 0.1
R2007 1000
C2013 0.01
C2017 6V47
C2018 0.01
IC2013 LM358PS
R2064 3 10K
C2048
VR2002 MIJ1550
CHSW ADJ
R2016
C2014 0.01
C2012 16V47
R2013 3300
C2042 MIJ1550
R2047 3300
C2043 MIJ1550
IC2013 LM358PS
CYLET TO M_DRIVE(1) CYL_ET 9/11
2-14 TBC_ON_H 2-14
C2016 6V47
L2002 47U
C2016 0.01
D193,D194 ONLY
J2007
IC2006 TC4530F
R2019 120K
C2021 1500P(B)
IC2009
C2019 6V47
C2020 0.01
R2017 10K
R2065
ODD/EVEN
IC2012 MC74HCU04F
IC2003 BA226F
D191,D192-T.P ONLY
IC2006
R2018 10K
R2054 100 2-20 TC_CLK 2-20
R2055 100 1-6 ADV_SYNC 1-6
R2056 100 1-8 REC_FRM 1-8
R2049 10K
D2006 MA151WA
QR2005 MRN1404
VR2003 100K(B)
TRAC FIX
R2021 68K
C2023 0.18(Y)
R2027 1M
IC2012 MC74HCU04F
X2002
D2007 MA161K
C2029
C2030 22P(NPO)
L2004 47U
C2031 10P
IC2007 MN5301SVZW
IC2008 MN5301SVZW
IC2016
C2051
R2066
C2062
4538
IC2016
R2067
PB FRM 10
PB_HSS 9
EXT_SYNC 7
REC.HSS 8
C2050 0.01
IC2004 MC14052BF
J2006 MIJ1550
J2003
J2004
IC2006
C2009 0.01
C2047
IC2012 MC74HCU04F
L2005 47U
D2008 MA161K
IC2016
R2030 22K
R2029 1000
C2032 6V47
C2025 0.01
J2001
J2002
PAL ONLY
NTSC ONLY
5181 TO SYSCON/SERVO 5181 1/11
R2063 MIJ1550
1-16 PB_FRM(5181) 1-16
R2035
VHSW 11
R2059 100 2-3 V_HSW 2-3
R2060 100 2-8 PB_HSS 2-8
2-16 REF(X) 2-16
R_GND 2-17
R2062 100 1-20 TRICK (L) 1-20
IC2014 TC7S32FTE85R
IC2010 LM339NS
R2028
D2001
R2025
R2003
W2001
C2046
R2023
C2024
R2024
C2026
C2028 0.01
C2027 6V47
R2020 10K
IC2010 LM339NS
C2033 16V10
R2031
R2022 1000
R2032 47K
D2002 MA151WA
C2034 16V10
R2033 220K
NTSC ONLY
R2046
QR2003
C2041
J2005
C2035 6DV R47
EXTL TO CAP(2) EXT(L) 8/11
IC2012 MC74HCU04F
R2036 100 2-11 PB_HD 2-11
R2048 470
C2044 270P
C2045 270P
IC2014 TC7S32FTE85R
TRAC TO CAP(1) TRAC PULSE 5/8

CYL SERVO

REF. NO. / MODE		
MODE	1	2
STOP	0	5.0
REC	3.1	5.0
FF	0	5.0
REF. NO.		
MODE	21	22
STOP	0	0
REC	0	0
FF	0	0
REF. NO.		
MODE	41	42
STOP	0	0
REC	0	0
FF	0	0
REF. NO.		IC2
MODE	61	62
STOP	1.1	3.1
REC	1.1	3.1
FF	1.1	3.1
REF. NO.		
MODE	1	2
STOP	0	0
REC	0	0
FF	0	0
REF. NO.		
MODE	1	2
STOP	2.6	2.6
REC	2.6	2.6
FF	2.6	2.6
REF. NO.		
MODE	1	2
STOP	0	0
REC	0	0
FF	0	0
REF. NO.		
MODE	21	22
STOP	0	0
REC	0	0
FF	0	0
REF. NO.		IC2
MODE	41	42
STOP	5.1	5.1
REC	5.1	5.1
FF	5.2	5.2
REF. NO.		
MODE	1	2
STOP	0	0
REC	0	0
FF	0	0
REF. NO.		
MODE	21	22
STOP	0	0
REC	0	0
FF	0	0
REF. NO.	Q200	
MODE	E	C
STOP	3.5	5.1
REC	3.5	5.1


10
11
12
13
14
15
IC2012
MC74HCU04F
1
2
3-10
FX_HSW
3-10
TP2001
HSW
TO CAP(1)
HSW
7/11
HSW
TO SYSCON
HSW
1/11
RECCTL
TO WIDE
REC_CTL
6/11
RESET
RESET
6/11
RESET
TO CAP(2)
RESET
8/11
CYLPFG
CYL_PFG
1-11
CYLPFG
TO M_DRIVE(1)
CYL_PFG
9/11
CYLREF
CYL_REF
9/11
C2010
6V47
C2011
10V22
R2010
1000
R2009
1000
L2008
47U
R2014
L2006
47U
C2017
6V47
C2018
0.01
R2064
10K
IC2013
LM358PS
VR2002
MIJ1550
CHSW
ADJ
C2040
R2016
C2014
0.01
C2012
16V47
VSYNC
R2013
3300
C2042
MIJ1550
R2047
3300
C2043
MIJ1550
IC2013
LM358PS
CYLET
TO M_DRIVE(1)
CYL_ET
9/11
2-14
TBC_ON_H
2-14
IC2006
TC4530F
R2019
120K
C2021
1500P(B)
IC2009
R2054
100
2-20
TC_CLK
2-20
R2055
100
1-6
ADV_SYNC
1-6
R2056
100
1-8
REC_FRM
1-8
IC2016
R2066
16
8
C2051
C2052
4538
CX
RX
R
Q
B
R
Q
IC2016
PB_HSS
9
IC2008
MN53015VZW
PBSYNC
FDRM
F300UT
VDD2
VSS
NTSCL
VDD
VSS2
PB FRM
10
R2067
SIBI
TO SYSCON/SERVO
SIBI
1/11
R2063
MIJ1550
R2035
1-16
PB_FRM(SIBI)
1-16
VHSW
11
R2059
100
R2060
100
R2062
100
2-3
2-8
2-16
1-20
V_HSW
2-3
PB_HSS
2-8
REF(X)
2-16
A_GND
2-17
TRICK (L)
1-20
R2032
47K
NTSC ONLY
R2020
10K
R2046
C2041
QR2003
J2006
IC2012
MC74HCU04F
12
13
EXTL
TO CAP(2)
EXT(L)
8/11
R2036
100
2-11
PB_HD
2-11
R2022
1000
D2002
MA151WA
R2033
220K
C2035
50VR47
R2031
C2034
16V10
TRAC
TO CAP(1)
TRAC PULSE
5/8

CYL SERVO

REF. NO.	IC2001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	5.0	4.6	2.5	2.5	5.1	0	0	0	0	2.5	2.6	0	5.1	0	4.1	5.1	0	5.1	2.6
REC	3.1	5.0	4.6	2.5	2.5	5.1	0	0	0	0	2.6	0	0	5.1	0	4.1	5.1	0	5.1	2.6
FF	0	5.0	4.6	2.5	2.5	5.2	0	5.2	0	0	2.6	2.6	0	5.2	0	4.1	5.2	0	5.2	2.6

REF. NO.	IC2001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	0	5.1	0	2.6	0	0	0	0	5.1	0.1	2.4	0	0	0	0	5.1	0
REC	0	0	0	0	5.1	0	2.6	0	0	0	0	5.1	0.5	2.4	0	0	0	0	5.1	0
FF	0	0	0	0	5.2	0	2.6	0	0	0	0	5.2	0.5	2.4	0	0	0	0	5.2	0

REF. NO.	IC2001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	0	0	5.1	0	0	0	0	2.5	2.5	0	0.2	0	0	0	0	0	0	1.9	5.1	0
REC	0	0	5.1	0	0	5.1	0	2.5	2.5	0	3.1	0	0	0	0	0	0	1.9	5.1	0
FF	0	0	5.2	0	0	5.2	0	2.5	2.5	0	0	0	0	0	0	0	0	1.9	5.2	0

REF. NO.	IC2001				IC2002			IC2003												
MODE	61	62	63	64	V	G	O	1	2	3	4	5	6	7	8					
STOP	1.1	3.1	5.1	0	5.1	0	5.1	2.3	0.5	2.5	0	0	0	0	5.0					
REC	1.1	3.1	5.1	0	5.1	0	5.1	2.3	0.5	2.5	0	0	0	0	0					
FF	1.1	3.1	5.2	0	5.2	0	5.2	2.3	0.5	2.6	0	0	0	0	5.0					

REF. NO.	IC2004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0	0	0	0	0	0	0	0	0	2.6	2.6	2.5	2.6	2.6	5.1				
REC	0	0	0	0	0	0	0	0	0	0	2.6	2.6	2.6	2.6	2.6	5.1				
FF	0	0	0	0	0	0	0	0	5.2	0	2.6	2.6	2.6	2.6	2.6	5.2				

REF. NO.	IC2005														IC2006					
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	5	
STOP	2.6	2.6	2.1	0	2.6	0	0	0	0	0	0	0	5.1	5.1	2.6	2.6	0	0	5.1	
REC	2.6	2.6	2.1	0	2.6	0	0	0	0	0	0	0	5.1	5.1	2.6	2.6	0	0	5.1	
FF	2.6	2.6	2.1	0	2.6	0	0	0	0	0	0	0	5.2	5.2	2.6	2.6	0	0	5.2	

REF. NO.	IC2007																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0	0	5.1	5.1	0	5.1	5.1	0	0	0	0	5.1	5.1	0	5.1	0	0	5.1
REC	0	0	0	0	4.5	5.1	0	5.1	5.1	0	0	0	0	5.1	5.1	0	5.1	0	0	5.1
FF	0	0	0	0	4.5	5.2	0	5.2	5.2	0	0	0	0	5.2	5.2	0	5.2	0	0	5.2

REF. NO.	IC2007																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	2.6	0	0	5.1	0	5.1	0	0	0	0	5.1	0	0	0	0	0	5.1
REC	0	0	0	2.6	0	0	5.1	0	5.1	0	0	0	0	5.1	0	0	0	0	0	5.1
FF	0	0	0	2.6	0	0	5.2	0	5.2	0	0	0	0	5.2	0	0	0	0	0	5.2

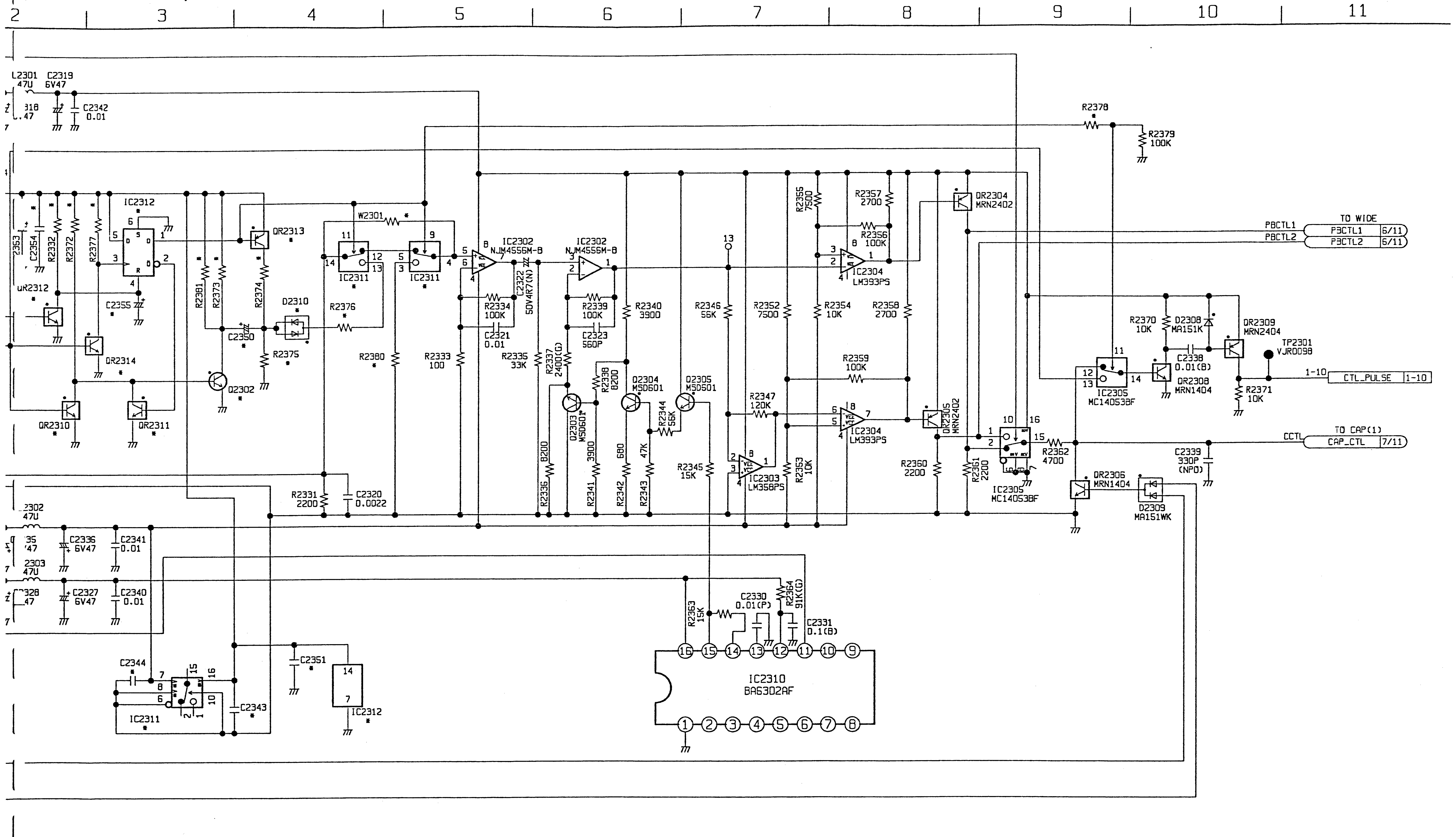
REF. NO.	IC2007																			
MODE	41	42	43	44																
STOP	5.1	5.1	0	2.5																
REC	5.1	5.1	0	2.5																
FF	5.2	5.2	0	2.5																

REF. NO.	IC2008																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0	0	0.2	3.5	0	4.7	5.1	0	0	0	0	5.1	5.1	0	5.1	0	0	5.1
REC	0	0	0	0	0	3.5	0	0	5.1	0	0	0	0	5.1	5.1	0	5.1	0	0	5.1
FF	0	0	0	0	0.3	3.5	0	4.7	5.1	0	0	0	0	5.2	5.2	0	5.2	0	0	5.2

REF. NO.	IC2008																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	2.6	0	0	0	0	0	5.1	0	0	0	0	5.1	0	0	0	0	0	5.1
REC	0	0	2.6	2.6	0	0	0	0	5.1	0	0	0	0	5.1	0	0	0	0	0	5.1
FF	0	0	2.6	2.6	0	0	0	0	5.2	0	0	0	0	5.2	0	0	0	0	0	5.2

REF. NO.	Q2001			QR2003			QR2005													
MODE	E	C	B	E	C	B	E	C	B											
STOP	3.5	5.1	3.8	0	2.0	0.8	0	4.9	0.6											
REC	3.5	5.1	3.8	0	2.0	0.8	0	4.9	0.6											

C DIAGRAM 5/11



2
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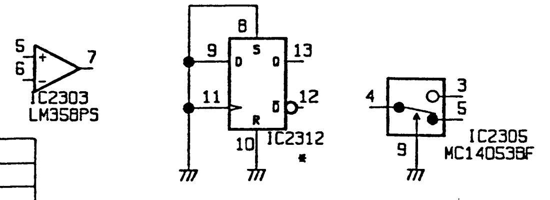
11
L2301 47U
C2319 6V47
C2342 0.01
IC2312
QR2313
QR2312
QR2314
QR2310
QR2311
C2355
C2354
R2332
R2372
R2377
R2381
R2373
R2374
D2310
C2350
R2375
R2376
Q2302
W2301
IC2311
R2380
R2331 2200
C2320 0.0022
R2333 100
IC2302 NJM4556M-B
R2334 100K
C2321 0.01
C2322 50V4R7(N)
R2335 33K
R2336 8200
R2337 2400(G)
R2339 100K
C2323 560P
R2340 3900
Q2303 M5D601
R2338 8200
R2341 3900
Q2304 M5D601
R2342 680
R2343 47K
R2344 56K
Q2305 M5D601
R2345 15K
R2346 56K
R2347 120K
R2352 7500
R2353 10K
IC2303 LM358PS
R2355 7500
R2354 10K
R2357 2700
R2356 100K
IC2304 LM393PS
R2358 2700
R2359 100K
QR2304 MRN2402
QR2305 MRN2402
R2360 2200
R2361 2200
IC2305 MC14053BF
R2362 4700
R2378
R2379 100K
R2370 10K
D2308 MA151K
C2338 0.01(B)
QR2308 MRN1404
QR2309 MRN2404
TP2301 VJR0098
R2371 10K
QR2306 MRN1404
D2309 MA151WK
C2339 330P (NPO)
PBCTL1
PBCTL2
TO WIDE
PBCTL1 6/11
PBCTL2 6/11
1-10
CTL_PULSE 1-10
CCTL
TO CAP(1)
CAP_CTL 7/11
L2302 47U
C2336 6V47
C2341 0.01
L2303 47U
C2327 6V47
C2340 0.01
C2344
C2351
C2343
IC2310 BA6302AF
R2363 15K
C2330 0.01(P)
R2364 91K(G)
C2331 0.1(B)



IC2303 LM358PS
IC2312
IC2305 MC14053BF

	DS555	DS545
L2304	47U	————
Q2302	M5D601	————
QR2310	MRN1403	————
QR2311	MRN1404	————
QR2312	MRN1404	————
QR2313	MRN2404	————
QR2314	MRN1404	————
R2332	68K	————

	DS555	DS545
R2375	5600	————
R2376	560	————
R2377	47K	————
R2378	150K	————
R2380	100	————
R2381	1200(1/4W)	————
W2301	————	0

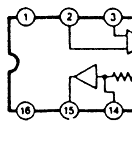
-INPUT SIGNAL

-OUTPUT SIGNAL

*-REFER TO THE COMPARISON CHART

Ref No.2300 Series.

IC2310
BA6302A



CTL AM

REF. NO MODE
STOP
REC
FF
REF. NO MODE
STOP
REC
FF
REF. NO MODE
STOP
REC
FF
REF. NO MODE
STOP
REC
FF
REF. NO MODE
STOP
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FF
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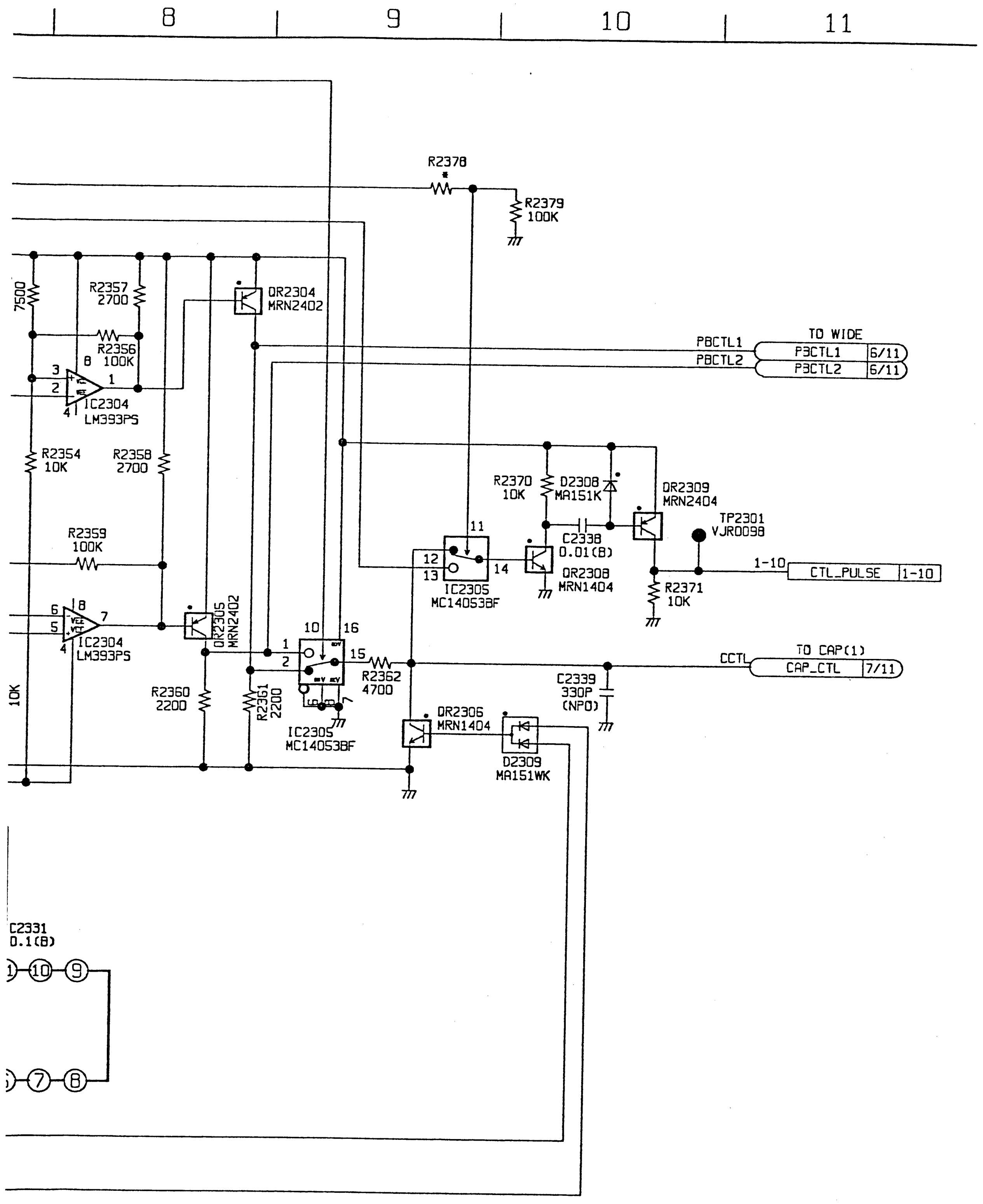
STOP
REC
FF
REF. NO MODE
STOP
REC
FF


8
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11
R2378
*
R2379
100K
7500
R2357
2700
QR2304
MRN2402
R2356
100K
3
2
8
1
4
IC2304
LM393PS
R2354
10K
R2358
2700
R2359
100K
6
5
8
7
4
IC2304
LM393PS
QR2305
MRN2402
R2360
2200
R2361
2200
1
2
10
16
15
R2362
4700
IC2305
MC14053BF
QR2306
MRN1404
D2309
MA151WK
10K
C2331
0.1(B)
PBCTL1
PBCTL2
TO WIDE
PBCTL1
6/11
PBCTL2
6/11
R2370
10K
D2308
MA151K
QR2309
MRN2404
TP2301
VJR0098
C2338
0.01(B)
QR2308
MRN1404
11
12
13
14
IC2305
MC14053BF
R2371
10K
1-10
CTL_PULSE
1-10
CCTL
TO CAP(1)
CAP_CTL
7/11
C2339
330P
(NPO)

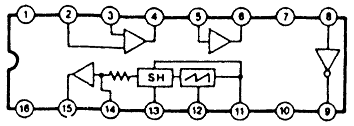
-INPUT SIGNAL

-OUTPUT SIGNAL

*-REFER TO THE COMPARISON CHART

Ref No.2300 Series.

IC2310
BA6302AF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SH

CTL AMP

REF. NO. / MODE	IC2302							
	1	2	3	4	5	6	7	8
STOP	0.1	0	0	–5.0	0	0	–0.1	5.0
REC	0	0	0	–5.0	0	0	–0.1	5.0
FF	0.6	0	0	–5.0	0	0	–0.1	5.0

REF. NO. / MODE	IC2303								IC2304							
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
STOP	–0.2	0	0	–5.0	0.3	0.2	3.9	5.0	4.9	0.1	0.9	–5.0	0.9	–0.2	4.9	5.0
REC	0	0	0	–5.0	0.3	0.3	3.9	5.0	4.9	0	0.9	–5.0	0.9	0	4.9	5.0
FF	–1.5	–0.1	0	–5.0	0.3	0.3	3.9	5.0	3.6	0	0.7	–5.0	0.7	–1.4	1.4	5.0

REF. NO. / MODE	IC2305															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	5.0
REC	0	0	0.1	0.1	0.1	0	0	0	0	0	4.6	0	3.1	3.0	0	5.0
FF	1.9	2.7	0.1	0.1	0.1	0	0	0	0	0	0	0.4	0	2.0	0.4	5.0

REF. NO. / MODE	IC2310															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	0	1.3	0.2	0	0.9	4.4	0	0	0	0	0	5.0	3.4	2.6	1.7	5.1
REC	0	1.3	0.2	0	0.9	4.4	0	0	0	0	2.5	0.3	0.4	2.6	3.8	5.1
FF	0	1.3	0.2	0	0.9	4.4	0	0	0	0	0	5.0	3.4	2.6	1.7	5.0

REF. NO. / MODE	IC2311															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	0	0	0	0	0	0	–5.0	0	0	0	0	0	5.9	0	0	11.7
REC	0	0	0	0	0	0	–5.0	0	11.7	0	11.7	0	0	0	0	11.7
FF	0	0	0	0	0	0	–5.0	0	0	0	0	0	5.9	0	0	11.7

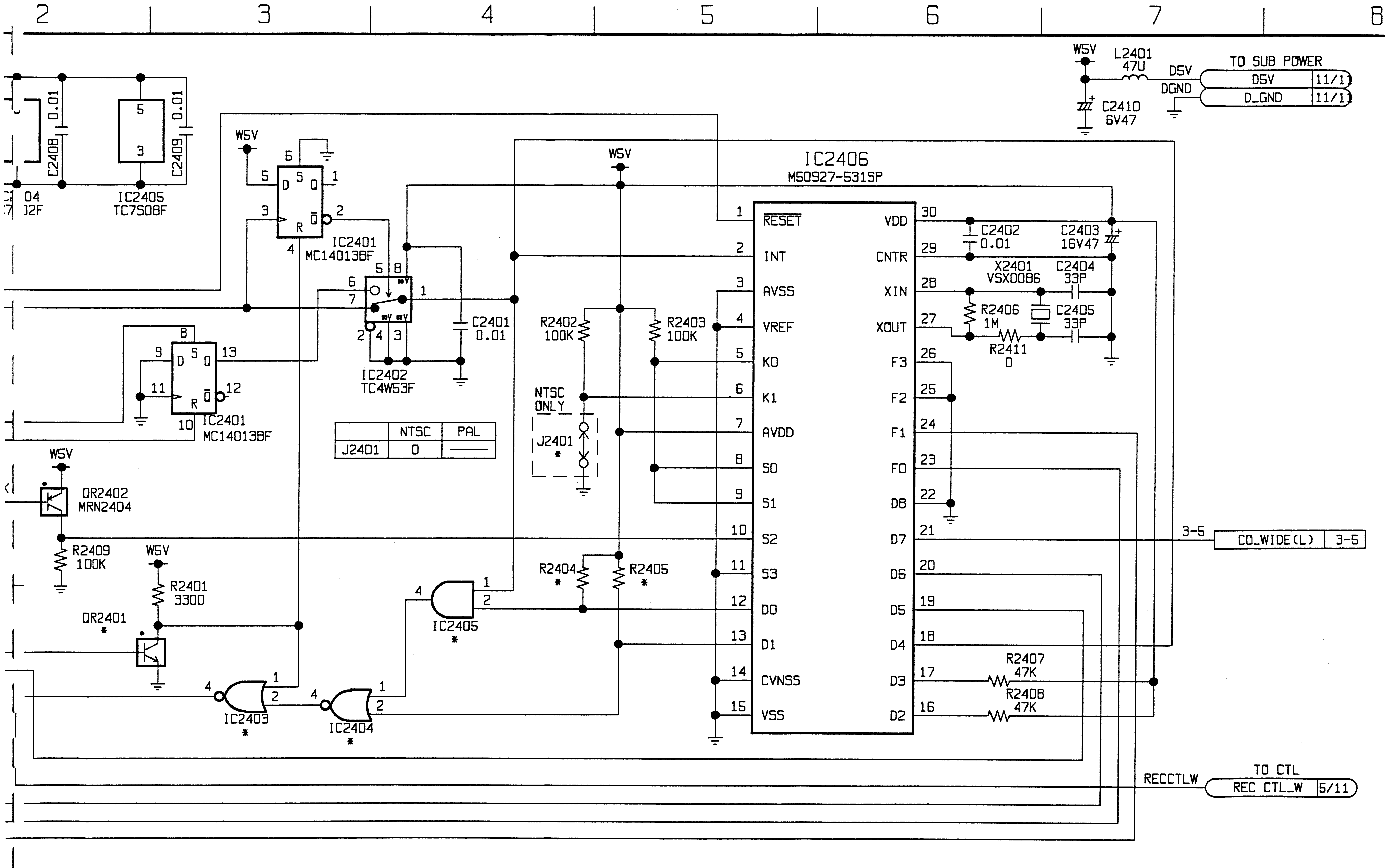
REF. NO. / MODE	IC2312													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	0	11.6	11.6	11.6	11.7	0	0	0	0	0	0	0	11.7	11.7
REC	11.7	0	4.6	0	11.7	0	0	0	0	0	0	0	11.7	11.7
FF	0	11.6	11.6	11.6	11.7	0	0	0	0	0	0	0	11.7	11.7

REF. NO. / MODE	Q2302			Q2303			Q2304			Q2305		
	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	11.7	0	0	0	0.6	0	3.5	0.5	1.2	5.0	1.7
REC	0	5.6	0.3	0	0	0.3	0.7	0.8	1.3	3.2	5.0	3.7
FF	0	11.7	0	0	0	0.6	0	3.5	0.5	1.2	5.0	1.7

REF. NO. / MODE	QR2304			QR2305			QR2306			QR2308			QR2309			QR2310		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.0	0	4.9	5.0	0	4.9	0	0	0	0	5.0	0	5.0	1.0	5.0	0	0	0
REC	5.0	0	4.9	5.0	0	4.9	0	0	0	0	2.0	3.0	5.0	1.1	4.9	0	0.3	3.1
FF	5.0	2.7	–0.2	5.0	1.9	1.4	0	2.6	0	0	1.8	2.4	5.0	3.3	3.4	0	0	0

REF. NO. / MODE	QR2311			QR2312			QR2313			QR2314		
	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	11.6	0	11.6	0	11.7	11.7	0	0	11.6	0
REC	0	0.3	0	0	0	4.8	11.7	0	11.7	0	4.6	3.1
FF	0	0	11.6	0	11.6	0	11.7	11.7	0	0	11.6	0

6/11


2
3
4
5
6
7
8
W5V
L2401
47U
D5V
DGND
TO SUB POWER
D5V
11/1
D_GND
11/1
C2410
6V47
0.01
C2408
5
3
IC2405
TC7S08F
0.01
C2409
04
J2F
W5V
IC2401
MC14013BF
D
Q
R
S
5
3
6
1
2
4
W5V
IC2406
M50927-531SP
RESET
INT
AVSS
VREF
K0
K1
AVDD
S0
S1
S2
S3
D0
D1
CVNSS
VSS
VDD
CNTR
XIN
XOUT
F3
F2
F1
F0
D8
D7
D6
D5
D4
D3
D2
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
C2402
0.01
C2403
16V47
X2401
VSX0086
C2404
33P
R2406
1M
C2405
33P
R2411
0
IC2402
TC4W53F
5
8
6
7
1
2
4
3
C2401
0.01
R2402
100K
R2403
100K
IC2401
MC14013BF
9
11
13
12
10
8
NTSC ONLY
J2401
*
QR2402
MRN2404
W5V
R2409
100K
W5V
R2401
3300
QR2401
*
R2404
*
R2405
*
IC2405
*
IC2403
*
IC2404
*
3-5
CO_WIDE(L)
3-5
R2407
47K
R2408
47K
RECCTLW
TO CTL
REC CTL_W
5/11

	NTSC	PAL
J2401	0	———

▭ =INPUT SIGNAL

▭ =OUTPUT SIGNAL

*=REFER TO THE COMPARISON CHART

Ref No.2400 Series.

DS555	DS545
0	0
S02F	———
C7S02F	———
S08F	———
1404	———
47K	———
7K	———

WIDE

REF. NO. / MODE		
	1	2
STOP	0	5.1
REC	5.1	0
FF	0	5.1

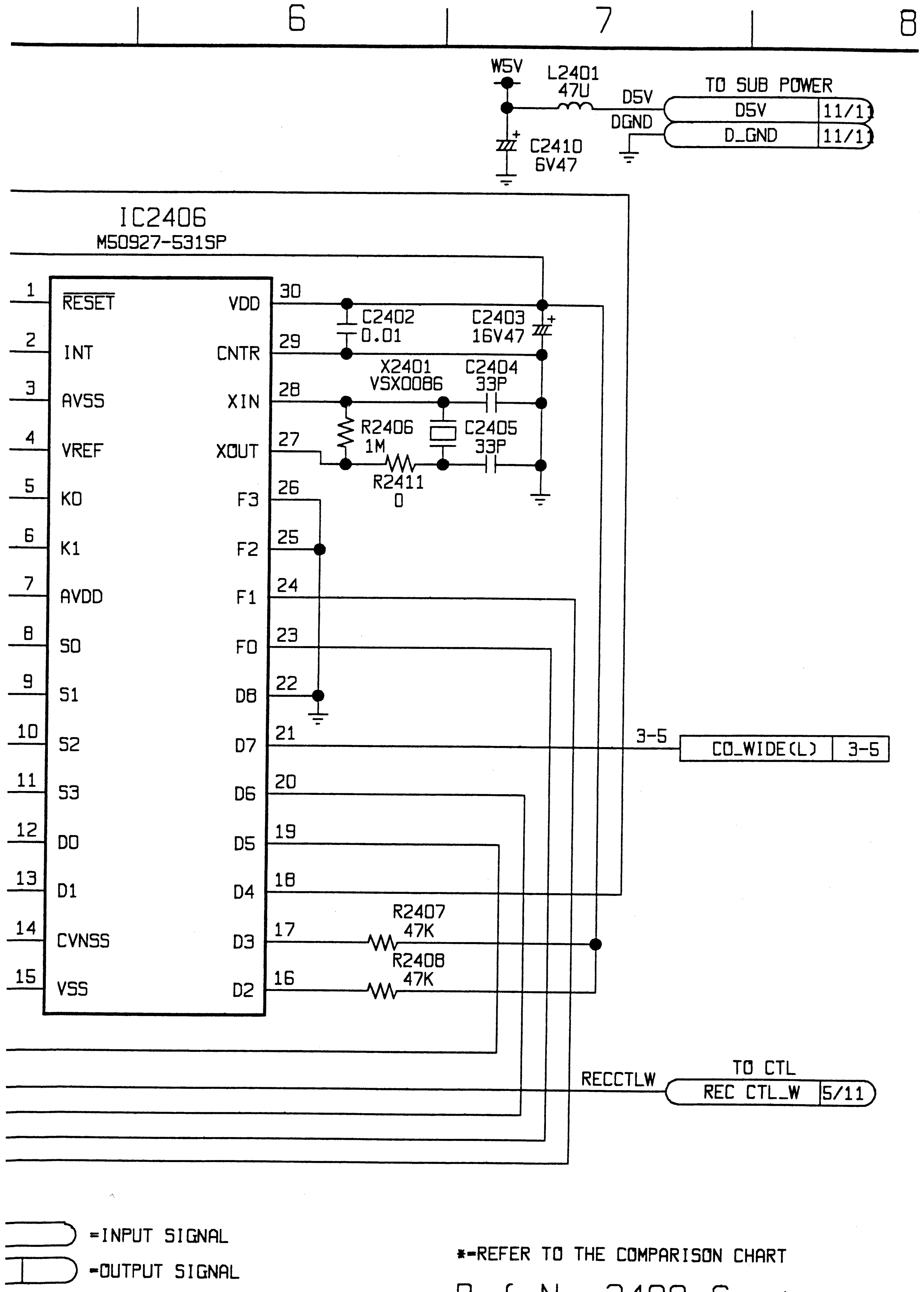
REF. NO. / MODE		
	1	2
STOP	0	0
REC	3.1	0
FF	3.1	0

REF. NO. / MODE		
	1	2
STOP	5.1	5.1
REC	3.1	1.8
FF	3.2	0

REF. NO. / MODE		
	1	2
STOP	5.1	5.1
REC	5.1	3.1
FF	5.2	3.1

REF. NO. / MODE		
	21	22
STOP	4.8	0
REC	4.8	0
FF	4.8	0

REF. NO. / MODE	QR240	
	E	C
STOP	0	5.1
REC	0	0.1
FF	0	5.2


6
7
8
W5V
L2401
47U
D5V
DGND
C2410
6V47
TO SUB POWER
D5V
11/1
D_GND
11/1
IC2406
M50927-531SP
1 RESET
2 INT
3 AVSS
4 VREF
5 K0
6 K1
7 AVDD
8 S0
9 S1
10 S2
11 S3
12 D0
13 D1
14 CVNSS
15 VSS
30 VDD
29 CNTR
28 XIN
27 XOUT
26 F3
25 F2
24 F1
23 F0
22 D8
21 D7
20 D6
19 D5
18 D4
17 D3
16 D2
C2402
0.01
C2403
16V47
X2401
VSX0086
C2404
33P
R2406
1M
C2405
33P
R2411
0
R2407
47K
R2408
47K
3-5
CO_WIDE(L)
3-5
RECCTLW
TO CTL
REC CTL_W
5/11
=INPUT SIGNAL
=OUTPUT SIGNAL

*=REFER TO THE COMPARISON CHART

Ref No.2400 Series.

WIDE

REF. NO.	IC2401													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	0	5.1	0	5.1	5.1	0	0	0	0	0	0	0	5.1	5.1
REC	5.1	0	3.1	0.1	5.1	0	0	0	0	0	0	5.1	0	5.1
FF	0	5.1	0	5.2	5.2	0	0	2.7	0	1.9	0	2.0	3.1	5.1

REF. NO.	IC2402								IC2403					IC2404				
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	1	2	3	4	5
STOP	0	0	0	0	5.1	0	0	5.1	5.1	0	0	0	5.1	5.1	0	0	0	5.1
REC	3.1	0	0	0	0	0	3.1	5.1	0.1	2.1	0	3.1	5.1	0.4	3.1	0	2.1	5.1
FF	3.1	0	0	0	5.2	3.2	0	5.2	5.2	0	0	0	5.2	0	5.2	0	0	5.2

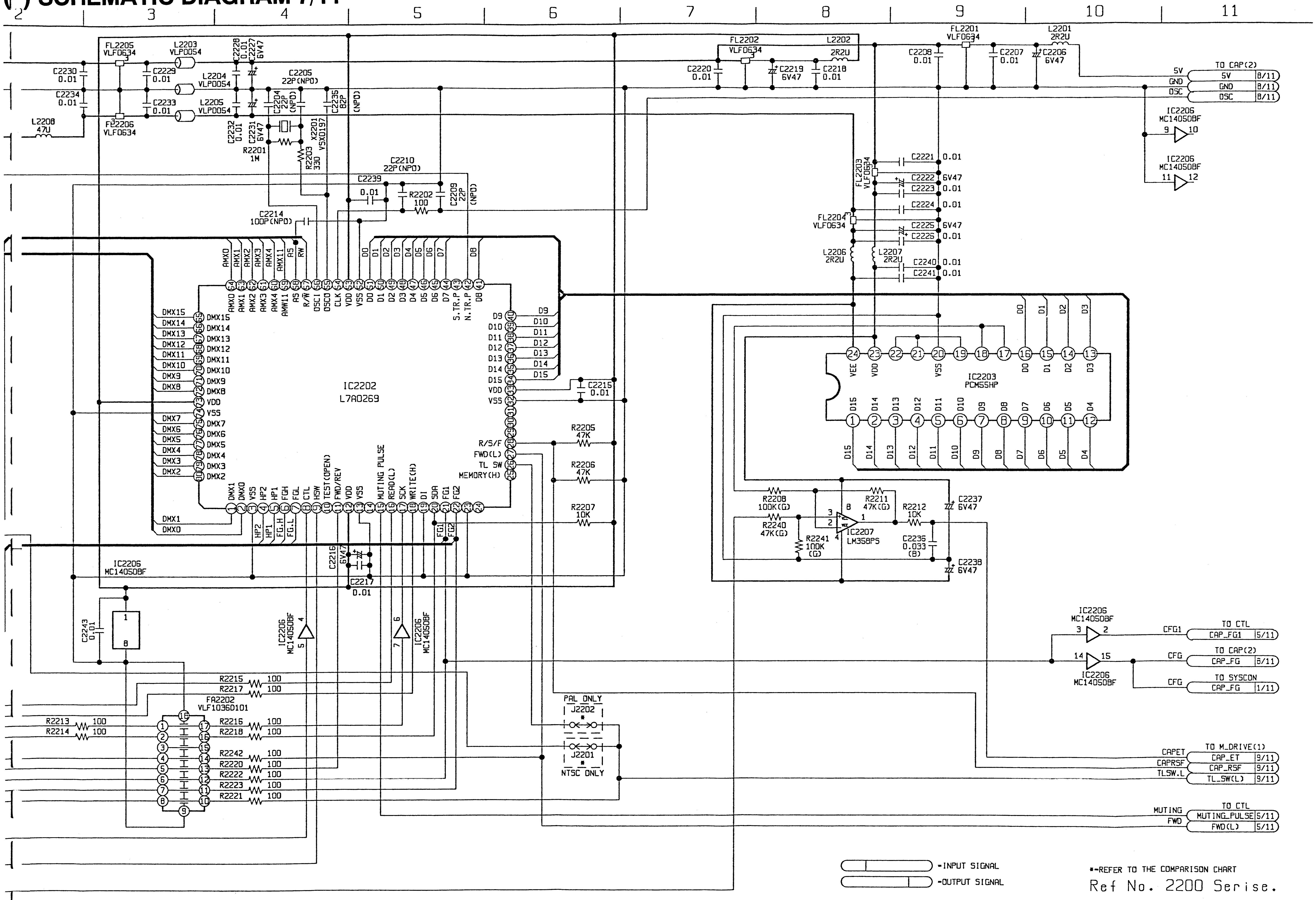
REF. NO.	IC2405				
MODE	1	2	3	4	5
STOP	5.1	5.1	0	5.1	5.1
REC	3.1	1.8	0	0.4	5.1
FF	3.2	0	0	0	5.2

REF. NO.	IC2406																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	5.1	5.1	0	0	5.1	0	5.1	5.1	5.1	3.6	0	5.1	0	0	0	5.1	5.1	5.1	0	5.1
REC	5.1	3.1	0	0	5.1	0	5.1	5.1	5.1	3.3	0	1.8	3.1	0	0	0	5.1	3.1	0	5.1
FF	5.2	3.1	0	0	5.1	0	5.2	5.1	5.1	5.1	0	5.2	5.2	0	0	5.2	5.2	3.2	0	5.2

REF. NO.	IC2406									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	4.8	0	0	0	0	0	2.5	2.5	0	5.1
REC	4.8	0	0	0	0	0	2.5	2.5	0	5.1
FF	4.8	0	0	0	0	0	2.5	2.5	0	5.2

REF. NO.	QR2401			QR2402		
MODE	E	C	B	E	C	B
STOP	0	5.1	0	5.1	4.1	4.0
REC	0	0.1	4.8	5.1	4.1	4.0
FF	0	5.2	0	5.2	5.1	4.0

( ) SCHEMATIC DIAGRAM 7/11


2
3
4
5
6
7
8
9
10
11
FL2205 VLF0634
L2203 VLP0054
C2228 0.01
C2227 6V47
C2230 0.01
C2229 0.01
L2204 VLP0054
C2205 22P(NPO)
C2234 0.01
C2233 0.01
L2205 VLP0054
C2204 22P (NPO)
C2236 82P (NPO)
L2208 47U
FL2206 VLF0634
C2232 0.01
C2231 6V47
X2201 VSX0197
R2201 1M
R2203 330
C2210 22P(NPO)
C2239 0.01
R2202 100
C2209 22P (NPO)
C2214 100P(NPO)
FL2202 VLF0634
L2202 2R2U
C2220 0.01
C2219 6V47
C2218 0.01
C2208 0.01
FL2201 VLF0634
C2207 0.01
L2201 2R2U
C2206 6V47
TO CAP(2)
5V
GND
OSC
8/11
IC2206 MC14050BF
FL2203 VLF0634
C2221 0.01
C2222 6V47
C2223 0.01
C2224 0.01
FL2204 VLF0634
C2225 6V47
C2226 0.01
L2206 2R2U
L2207 2R2U
C2240 0.01
C2241 0.01
IC2202 L7A0269
AMX0 AMX1 AMX2 AMX3 AMX4 AMX11 A5 R/W OSCI OSCO CLK VDD VSS D0 D1 D2 D3 D4 D5 D6 D7 S.TR.P N.TR.P D8
DMX15 DMX14 DMX13 DMX12 DMX11 DMX10 DMX9 DMX8 VDD VSS DMX7 DMX6 DMX5 DMX4 DMX3 DMX2
DMX1 DMX0 VSS HP2 HP1 FGH FGL CTL HSW TEST(OPEN) FWD/REV VDD VSS MUTING PULSE READ(L) SCK WRITE(H) DI SDA FG1 FG2
D9 D10 D11 D12 D13 D14 D15 VDD VSS R/S/F FWD(L) TL SW MEMORY(H)
C2215 0.01
R2205 47K
R2206 47K
R2207 10K
IC2203 PCM55HP
VEE VDD VSS D0 D1 D2 D3 D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4
R2208 100K(G)
R2211 47K(G)
R2212 10K
C2237 6V47
R2240 47K(G)
R2241 100K (G)
IC2207 LM358PS
C2235 0.033 (B)
C2238 6V47
HP2 HP1 FG.H FG.L
FG1 FG2
C2216 6V47
C2217 0.01
IC2206 MC14050BF
C2243 0.01
R2215 100
R2217 100
FA2202 VLF10360101
R2213 100
R2214 100
R2216 100
R2218 100
R2242 100
R2220 100
R2222 100
R2223 100
R2221 100
PAL ONLY
J2202
J2201
NTSC ONLY
CFG1
TO CTL
CAP_FG1 5/11
CFG
TO CAP(2)
CAP_FG 6/11
TO SYSCON
CAP_FG 1/11
CAPET
CAPRSF
TLSW.L
TO M_DRIVE(1)
CAP_ET 9/11
CAP_RSF 9/11
TL_SW(L) 9/11
MUTING
FWD
TO CTL
MUTING_PULSE 5/11
FWD(L) 5/11

-INPUT SIGNAL

-OUTPUT SIGNAL

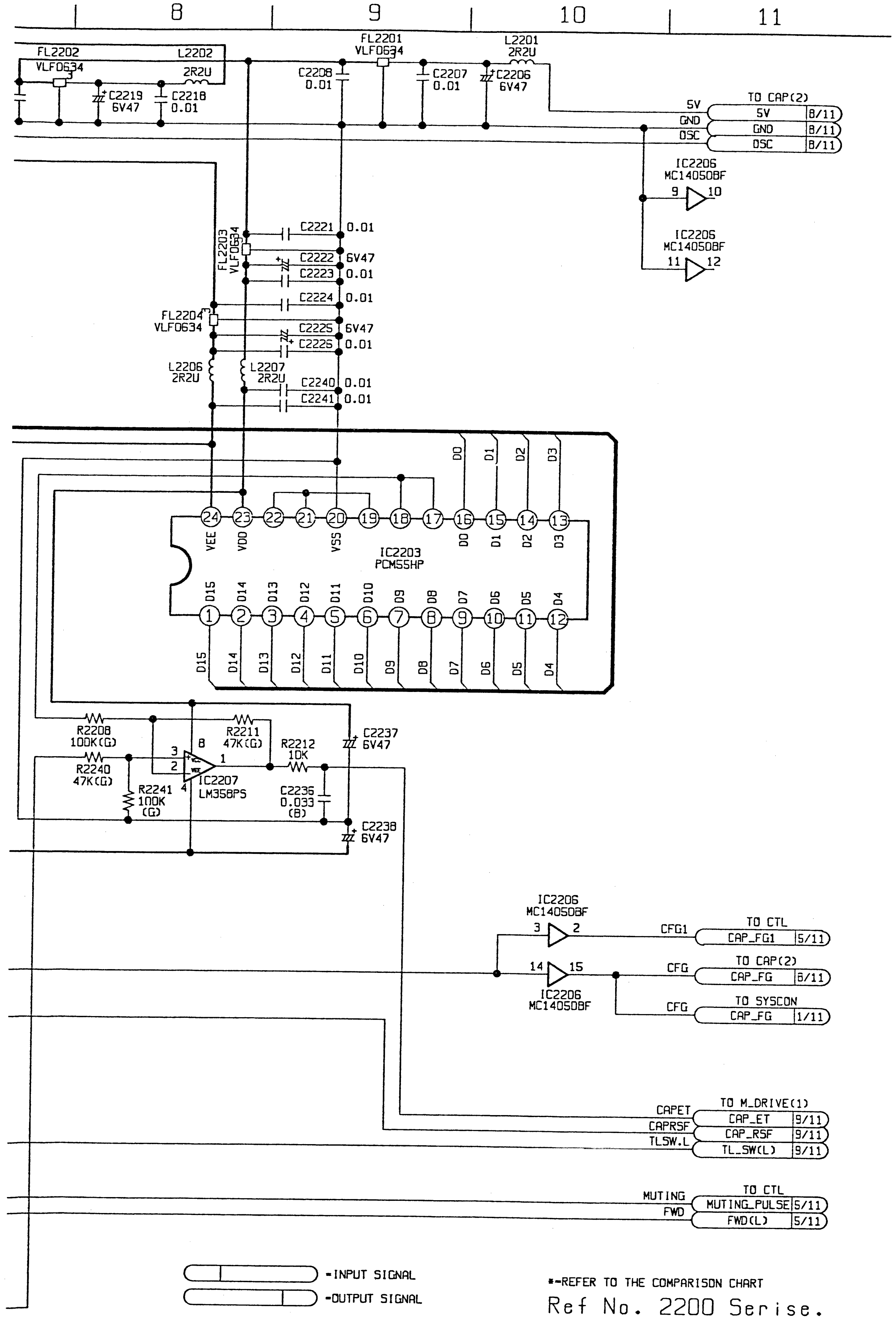
*-REFER TO THE COMPARISON CHART

Ref No. 2200 Serise.

REF	DS555	DS545
J2201	0	0
J2202	———	———

CAPST

REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC


8
9
10
11
FL2202
VLF0634
L2202
2R2U
C2219
6V47
C2218
0.01
C2208
0.01
FL2201
VLF0634
C2207
0.01
L2201
2R2U
C2206
6V47
5V
GND
OSC
TO CAP(2)
5V
GND
OSC
8/11
8/11
8/11
IC2206
MC14050BF
9
10
IC2206
MC14050BF
11
12
FL2203
VLF0634
C2221
0.01
C2222
6V47
C2223
0.01
C2224
0.01
FL2204
VLF0634
C2225
6V47
C2226
0.01
L2206
2R2U
L2207
2R2U
C2240
0.01
C2241
0.01
D0
D1
D2
D3
VEE
VDD
VSS
IC2203
PCM55HP
D15
D14
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
R2208
100K(G)
R2211
47K(G)
R2212
10K
C2237
6V47
R2240
47K(G)
R2241
100K
(G)
IC2207
LM358PS
C2236
0.033
(B)
C2238
6V47
IC2206
MC14050BF
CFG1
TO CTL
CAP_FG1
5/11
CFG
TO CAP(2)
CAP_FG
6/11
IC2206
MC14050BF
CFG
TO SYSCON
CAP_FG
1/11
CAPET
CAPRSF
TLSW.L
TO M_DRIVE(1)
CAP_ET
CAP_RSF
TL_SW(L)
9/11
9/11
9/11
MUTING
FWD
TO CTL
MUTING_PULSE
FWD(L)
5/11
5/11
-INPUT SIGNAL
-OUTPUT SIGNAL

*-REFER TO THE COMPARISON CHART

Ref No. 2200 Serise.

CAPSTAN SERVO (1), (2)

REF. NO.	IC2201 (SCM-13)																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	5.1	5.1	0	0	0	0	3.1	2.4	2.6	2.1	2.4	5.1	5.1	5.1	5.1	4.9	3.1	4.2
REC	0	0	5.1	5.1	0	0	0	0	3.1	2.4	2.6	2.1	2.4	5.1	5.1	5.1	5.1	4.9	2.8	3.9
FF	0	0	5.2	5.2	0	0	0	0	3.1	2.5	2.7	2.1	2.4	5.2	5.2	5.2	5.2	5.0	3.2	4.3

REF. NO.	IC2201 (SCM-13)																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	5.1	5.1	5.1	0	0	5.1	0	0	0	0	0	0	0	0	0	0	0
REC	0	0	0	5.1	5.1	5.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FF	0	0	0	5.2	5.2	5.2	0	5.2	5.2	0	0	0	0	0	0	0	0	0	0	0

REF. NO.	IC2201 (SCM-13)																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	0	0	5.1	3.9	4.7	4.3	3.5	4.3	3.5	3.6	3.6	3.1	3.6	3.1	4.9	4.7	4.1	3.4	3.9	5.1
REC	0	0	5.1	2.7	2.7	3.6	3.6	3.6	3.7	3.7	3.5	4.5	3.5	2.6	3.7	3.5	3.7	3.8	4.2	5.1
FF	0	0	5.2	2.6	3.3	3.9	3.3	3.3	4.0	3.3	3.5	3.4	3.4	3.3	4.1	2.6	2.8	3.9	2.8	5.2

REF. NO.	IC2201 (SCM-13)																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	5.1	5.1	0	0	0	0	0	5.1	5.1	5.1	0	0.9	0.9	0.8	0.9	4.1	4.6	3.8	4.7	4.7
REC	5.1	5.1	0	0	0	0	0	5.1	5.1	5.1	0	2.4	2.8	3.2	2.1	1.9	1.5	3.9	4.6	4.6
FF	5.2	5.2	0	0	0	0	0	5.2	5.2	5.2	0	0.3	0	1.0	0.8	4.5	4.7	3.9	4.7	4.7

REF. NO.	IC2201 (SCM-13)																			
MODE	81	82	83	84																
STOP	0	0	0.5	5.1																
REC	0	0	0.5	5.1																
FF	0	0	0.5	5.2																

REF. NO.	IC2202 (SCM-12)																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	4.0	3.9	0	5.0	0	0	4.0	0	2.6	5.1	5.1	5.1	0	0	5.1	4.5	5.0	0	0	4.6
REC	0	2.7	0	2.6	2.6	2.5	2.5	0	2.5	5.1	0	5.1	0	0	0	4.5	5.0	0	0	4.6
FF	3.3	2.6	0	5.0	0	0	4.1	0.4	2.6	0	0	5.2	0	0	0	4.6	5.0	0	0	4.6

REF. NO.	IC2202 (SCM-12)																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	4.5	4.5	0	5.1	5.1	0.2	0	0	0	0	0	0	5.1	0	0	5.1	5.1	5.1	5.1	5.1
REC	2.3	2.3	0	5.1	0	0.2	0	0	0	0	0	0	5.1	0	5.1	5.1	0	0	5.1	2.2
FF	0.1	4.5	0	5.2	5.2	0.1	0	0	0	0	0	0	5.2	5.2	0	0	0	0	0	0

REF. NO.	IC2202 (SCM-12)																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	5.1	2.3	5.1	5.1	5.1	5.1	0	5.1	0	0	0	0	5.1	1.9	1.9	2.2	5.0	3.2	0.5	4.1
REC	2.9	2.3	5.1	2.7	2.7	2.6	2.7	2.6	2.7	2.6	2.7	0	5.1	1.9	1.9	2.2	5.0	2.8	0.6	1.9
FF	0	0	5.2	0	0	0	0	0	0	0	0	0	5.2	1.9	1.9	2.2	5.0	3.2	0.5	4.5

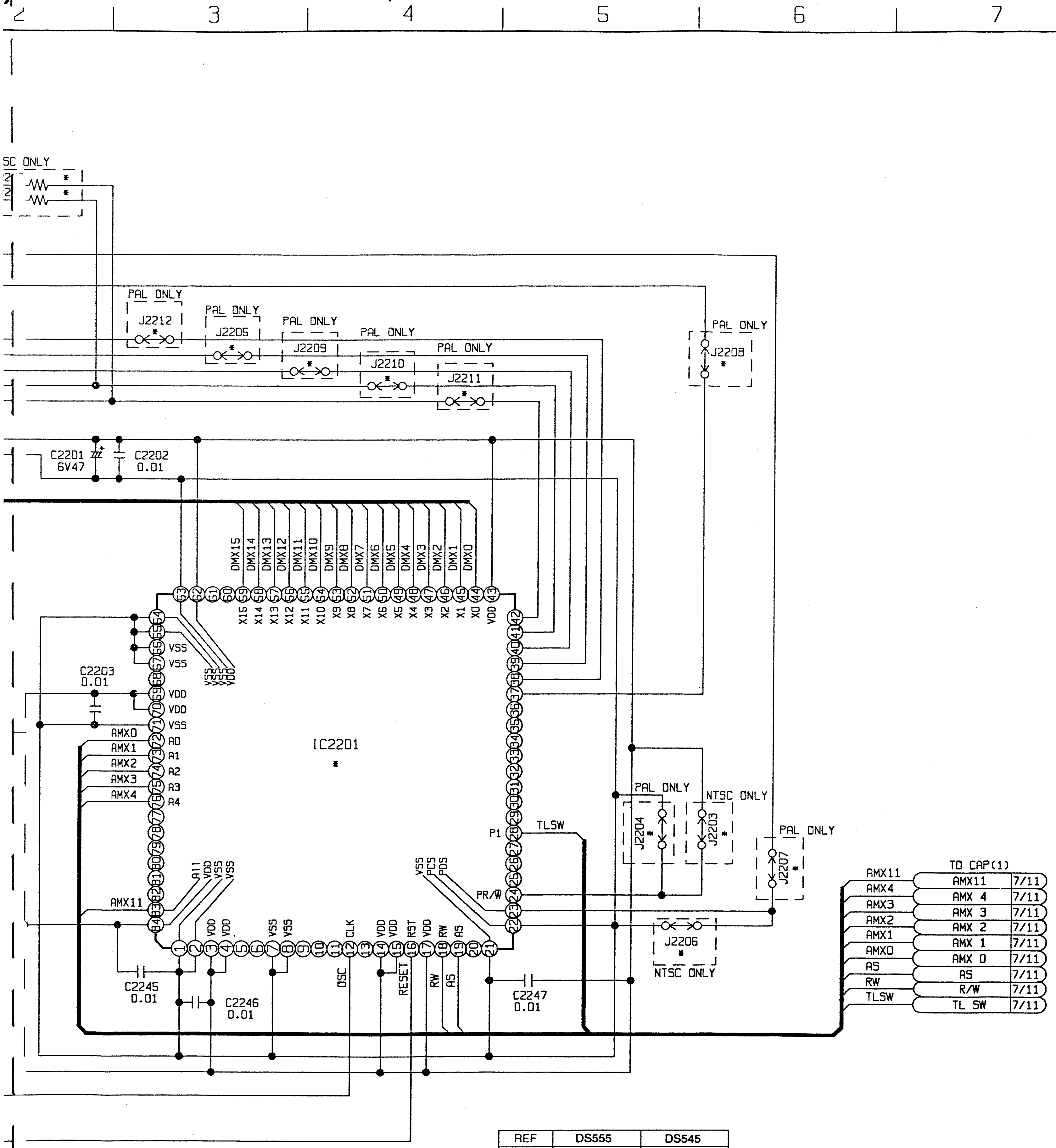
REF. NO.	IC2202 (SCM-12)																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0.9	0.8	0.9	0.9	3.9	4.2	4.1	3.8	4.9	3.1	3.6	3.1	5.1	0	3.5	3.5	4.3	4.3	3.5	4.3
REC	2.1	3.2	2.8	2.4	4.2	3.8	3.7	3.5	3.6	2.6	0	4.4	5.1	0	3.6	3.7	3.6	3.6	3.7	3.7
FF	0.8	1.0	0.5	0.3	2.7	3.9	4.1	2.8	4.1	3.3	3.4	3.4	5.2	0	3.3	3.3	4.0	3.3	3.3	3.3

REF. NO.	IC2203 (SCM-12)																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	5.1	5.1	5.1	5.1	0	5.1	5.1	0	5.1	5.1	0	0	5.1	0	1.6	1.6	0	0
REC	0	5.1	5.1	0	0	5.1	3.8	2.2	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.6	0.6	0	0
FF	5.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REF. NO.	IC2203 (SCM-12)				IC2206 (SCM-12)															
MODE	21	22	23	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	0	0	5.1	–5.0	5.1	5.1	4.6	0	0	5.0	5.0	0	0	0	0	0	0	4.6	5.1	0
REC	0	0	5.1	–5.0	5.1	2.5	2.3	0	0	5.0	5.0	0	0	0	0	0	0	2.3	2.6	0
FF	0	0	0	–5.0	5.2	0	0.1	2.8	2.4	5.1	5.1	0	0	0	0	0	0	0.1	0	0

REF. NO.	IC2207 (SCM-12)																			
MODE	1	2	3	4	5	6	7	8												
STOP	1.6	1.6	1.6	–5.0	0.3	0.3	4.0	5.1												
REC	2.1	1.6	1.6	–5.0	0.3	0.3	4.0	5.1												

SCHEMATIC DIAGRAM 8/11


2
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8
9
10
11
SC ONLY
PAL ONLY
J2212
J2205
J2209
J2210
J2211
J2208
C2201 6V47
C2202 0.01
C2203 0.01
DMX15 DMX14 DMX13 DMX12 DMX11 DMX10 DMX9 DMX8 DMX7 DMX6 DMX5 DMX4 DMX3 DMX2 DMX1 DMX0
X15 X14 X13 X12 X11 X10 X9 X8 X7 X6 X5 X4 X3 X2 X1 X0 VDD
VSS VSS VSS VDD
VDD VDD VSS
AMX0 AMX1 AMX2 AMX3 AMX4
A0 A1 A2 A3 A4
IC2201
*
AMX11
A11 VDD VSS VSS
VDD VDD VSS VSS CLK VDD VDD RST VDD RW AS
OSC RESET RW AS
VSS PCS PDS
P1
TLSW
PR/W
C2245 0.01
C2246 0.01
C2247 0.01
NTSC ONLY
J2204
J2203
J2206
J2207
TO CAP(1)
AMX11 AMX4 AMX3 AMX2 AMX1 AMX0 AS RW TLSW
AMX11 7/11
AMX 4 7/11
AMX 3 7/11
AMX 2 7/11
AMX 1 7/11
AMX 0 7/11
AS 7/11
R/W 7/11
TL SW 7/11

P2201 VJS3202B020Z

1	TRAC_VR(+)	1-1	4/11
2	TRAC_VR(-)	1-2	4/11
3	-29V	-29V	11/11
4	HEATER(-)	1-4	11/11
5	HEATER(+)	1-5	11/11
6	ADV_SYNC	1-6	4/11
7	REF_PALP	1-7	8/11
8	REC_FRM	1-8	4/11
9	CAP_FWD(L)	1-9	7/11
10	CTL_PULSE	1-10	5/11
11	CYL_PFG	CYLPFG	4/11
12	CAP_FG2	1-12	7/11
13	CAP_FG1	1-13	7/11
14	SCKO	SCKO	1/11
15	SDA	SDA	1/11
16	PB_FRM(SIBI)	1-16	4/11
17	REC_PALP(A_DATA)	1-17	8/11
18	B/W(L)	1-18	1/11
19	COLOR(L)	1-19	1/11
20	TRICK(L)	1-20	4/11

P2202 VJS3202B020Z

1	V_EE(H)	2-1	1/11
2	SYNC_EXT(L)	2-2	4/11
3	V_HSW	2-3	4/11
4	V_REC(L)	2-4	1/11
5	SYS_RESET	2-5	1/11
6	REC_HSS	2-6	4/11
7	RELEY(L)	2-7	1/11
8	PB_HSS	2-8	4/11
9	FM_REC(H)	2-9	1/11
10	A_COLOR(L)	2-10	8/11
11	PB_HD	2-11	4/11
12	A_DUB(L)	2-12	1/11
13	PB_PALP(A_CLK)	2-13	8/11
14	TBC_ON_H	2-14	4/11
15	S_CASS(H)	SCASS.H	1/11
16	REF(X)	2-16	4/11
17	A_GND	AGND	4/11
18	TL_SW(L)	2-18	7/11
19	SYS_IF	SBI1	1/11
20	TC_CLK	2-20	4/11

P2203 VJS3202B020Z

1	SYS_SYS	SB01	1/11
2	M_NORMAL(H)	3-2	6/11
3	SYS_CLK	SBT1	1/11
4	M_WIDE(H)	3-4	6/11
5	CO_WIDE(L)	3-5	6/11
6	FWD(L)	3-6	7/11
7	FLY_OSC	3-7	1/11
8	V_ERSR	3-8	1/11
9	V_ERSL	3-9	1/11
10	FM_HSW	3-10	4/11
11	A_CLK	3-11	1/11
12	A_DATA	3-12	1/11
13	A_LATCH	3-13	1/11
14	A_ENABLE	3-14	1/11
15	S_VIDEO(L)	3-15	4/11
16	CPN(L)		
17	CI_WIDE(L)	3-17	6/11
18	A_MASK	3-18	1/11
19	FAN(+)	FAN(+)	1/11
20	FAN(-)	FAN(-)	1/11

REF	DS555	DS545
IC2201	MN19041VSWA	MN19041VSWA
J2203	0	0
J2204	—	—
J2205	—	—
J2206	0	0
J2207	—	—
J2208	—	—
J2209	—	—
J2210	—	—

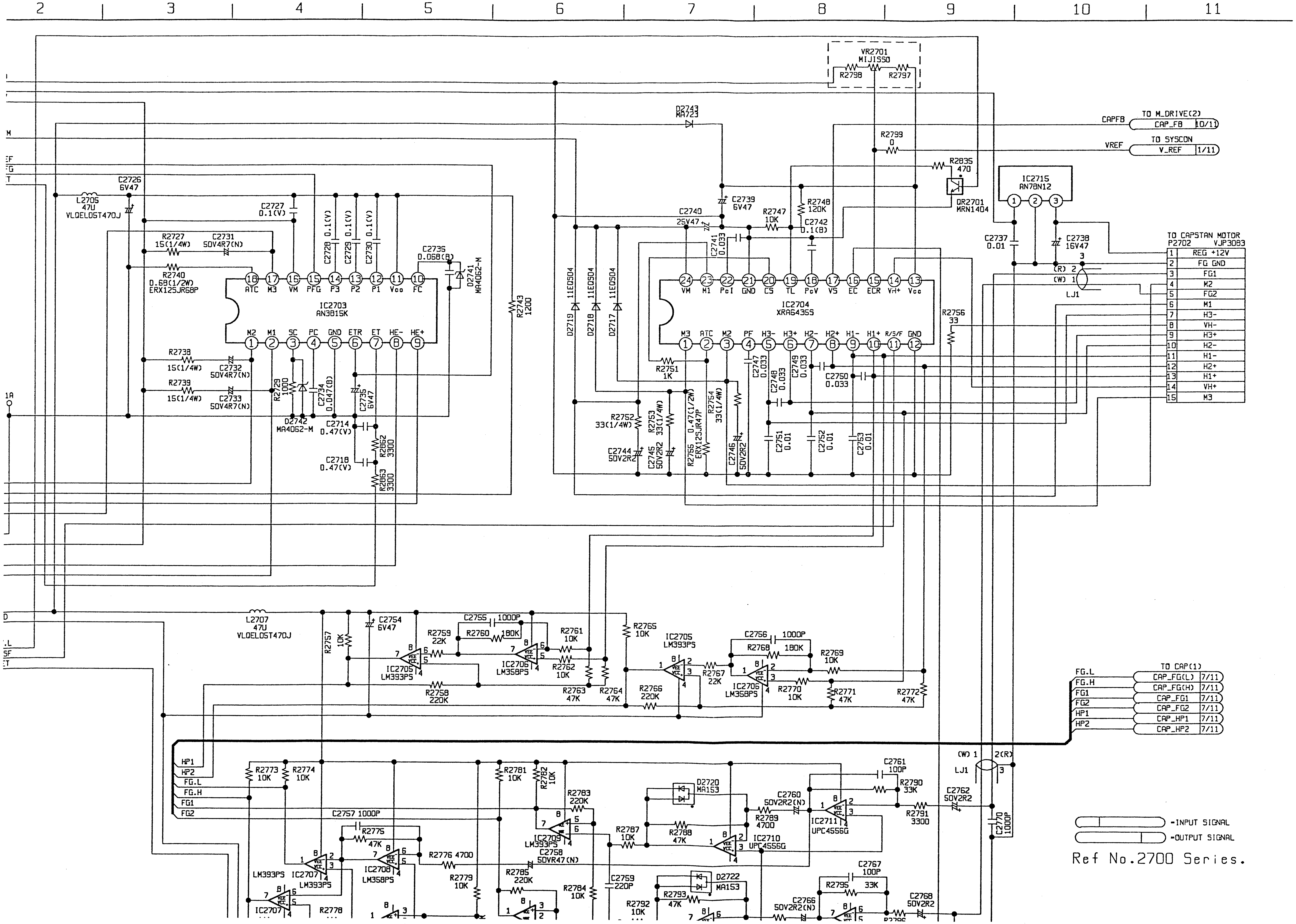
=INPUT SIGNAL

=OUTPUT SIGNAL

*=REFER TO THE COMPARISON CHART

Ref No.2200 Series.

I) SCHEMATIC DIAGRAM 9/11


2
3
4
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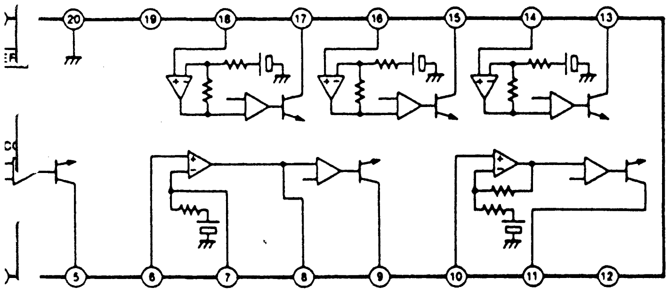
6
7
8
9
10
11
VR2701
MIJ1SS0
R2798
R2797
D2743
MA723
CAPFB
TO M_DRIVE(2)
CAP_FB
10/11
R2799
0
VREF
TO SYSCON
V_REF
1/11
R2835
470
DR2701
MRN1404
IC2715
AN78N12
C2737
0.01
C2738
16V47
TO CAPSTAN MOTOR
P2702
VJP3083
REG +12V
FG GND
FG1
M2
FG2
M1
H3-
VH-
H3+
H2-
H1-
H2+
H1+
VH+
M3
LJ1
C2726
6V47
L2705
47U
VL0EL0ST470J
C2727
0.1(V)
C2728 0.1(V)
C2729 0.1(V)
C2730 0.1(V)
C2735
0.068(B)
D2741
MA4062-M
R2727
15(1/4W)
C2731
50V4R7(N)
R2740
0.68(1/2W)
ERX12SJR68P
IC2703
AN3815K
ATC
M3
VM
PFG
P3
P2
P1
Vcc
FC
M2
M1
SC
PC
GND
ETR
ET
HE-
HE+
R2743
1200
R2738
15(1/4W)
C2732
50V4R7(N)
R2739
15(1/4W)
C2733
50V4R7(N)
R2729
1000
C2734
0.047(B)
C2736
6V47
D2742
MA4062-M
C2714
0.47(V)
R2862
3300
C2718
0.47(V)
R2863
3300
C2739
6V47
R2748
120K
C2740
25V47
R2747
10K
C2742
0.1(B)
C2741
0.033
D2719
11ED504
D2718
11ED504
D2717
11ED504
IC2704
XRA6435S
PcI
GND
CS
TL
PcV
VS
EC
ECR
VH+
Vcc
H3-
H3+
H2-
H2+
H1-
H1+
R/S/F
R2756
33
R2751
1K
C2747
0.033
C2749
0.033
C2748
0.039
C2750
0.033
R2752
33(1/4W)
R2753
33(1/4W)
R2754
33(1/4W)
R2755
0.47(1/2W)
ERX12SJR47P
C2744
50V2R2
C2745
50V2R2
C2746
50V2R2
C2751
0.01
C2752
0.01
C2753
0.01
L2707
47U
VL0EL0ST470J
R2757
10K
C2754
6V47
C2755
1000P
R2759
22K
R2760
180K
R2761
10K
R2762
10K
IC2705
LM393PS
IC2706
LM358PS
R2758
220K
R2763
47K
R2764
47K
R2765
10K
R2766
220K
R2767
22K
C2756
1000P
R2768
180K
R2769
10K
R2770
10K
R2771
47K
R2772
47K
FG.L
FG.H
FG1
FG2
HP1
HP2
TO CAP(1)
CAP_FG(L)
CAP_FG(H)
CAP_FG1
CAP_FG2
CAP_HP1
CAP_HP2
7/11
R2773
10K
R2774
10K
C2757 1000P
R2775
47K
IC2707
LM393PS
IC2708
LM358PS
R2776 4700
R2779
10K
R2778
R2781
10K
R2782
10K
R2783
220K
IC2709
LM393PS
C2758
50VR47(N)
R2785
220K
R2784
10K
C2759
220P
D2720
MA153
C2760
50V2R2(N)
R2789
4700
R2787
10K
R2788
47K
IC2710
UPC4556G
IC2711
UPC4556G
C2761
100P
R2790
33K
R2791
3300
C2762
50V2R2
C2770
1000P
D2722
MA153
R2793
47K
R2792
10K
C2766
50V2R2(N)
C2767
100P
R2795
33K
C2768
50V2R2
R2796
-INPUT SIGNAL
-OUTPUT SIGNAL
Ref No.2700 Series.

MOTOR DRIVE (2) SCHEMATIC DIAGRAM 10/11


20
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16
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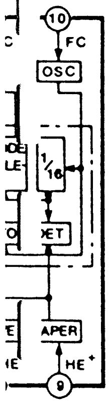
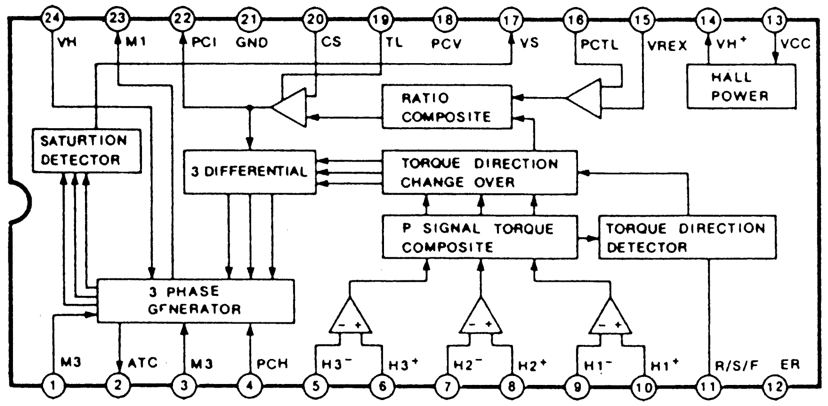
11
12


10
FC
OSC
1/16
DET
APER
HE+
9

IC2704
XRA6435S


24 VH
23 M1
22 PCI
21 GND
20 CS
19 TL
18 PCV
17 VS
16 PCTL
15 VREX
14 VH+
13 VCC
HALL POWER
RATIO COMPOSITE
SATURTION DETECTOR
3 DIFFERENTIAL
TORQUE DIRECTION CHANGE OVER
P SIGNAL TORQUE COMPOSITE
TORQUE DIRECTION DETECTOR
3 PHASE GENERATOR
1 M3
2 ATC
3 M3
4 PCH
5 H3-
6 H3+
7 H2-
8 H2+
9 H1-
10 H1+
11 R/S/F
12 ER

IC2701 (SCM-15)

8	9	10	11	12	13	14	15	16	17	18	19	20
3.2	14.1	0	0.2	0	1.8	2.7	0.5	0.2	0.5	0.4	0	0
3.2	14.5	0.4	0.4	0	2.1	2.8	0.5	0.4	0.5	0.4	0	0
2.7	10.1	0.3	0.4	0	1.8	2.7	0.5	0.3	0.5	0.3	0	0

IC2703 (SCM-14)

8	9	10	11	12	13	14	15	16	17	18
0.6	0.5	2.6	5.0	3.6	3.6	3.6	1.1	14.9	14.7	0.1
0.6	0.5	2.6	5.0	3.6	3.6	3.6	1.1	15.0	14.7	0.1
0.6	0.5	2.6	5.0	3.6	3.6	3.6	1.1	14.9	14.7	0.1

IC2704 (SCM-14)

8	9	10	11	12	13	14	15	16	17	18	19	20
1.9	1.9	1.9	2.6	0	4.7	3.4	2.4	2.4	0.2	0	0	0
1.9	1.9	1.9	0	0	4.7	3.4	2.4	2.1	2.8	0.6	0.4	0.1
1.9	1.9	1.9	2.6	0	4.7	3.4	2.4	2.4	0.2	0	0	0

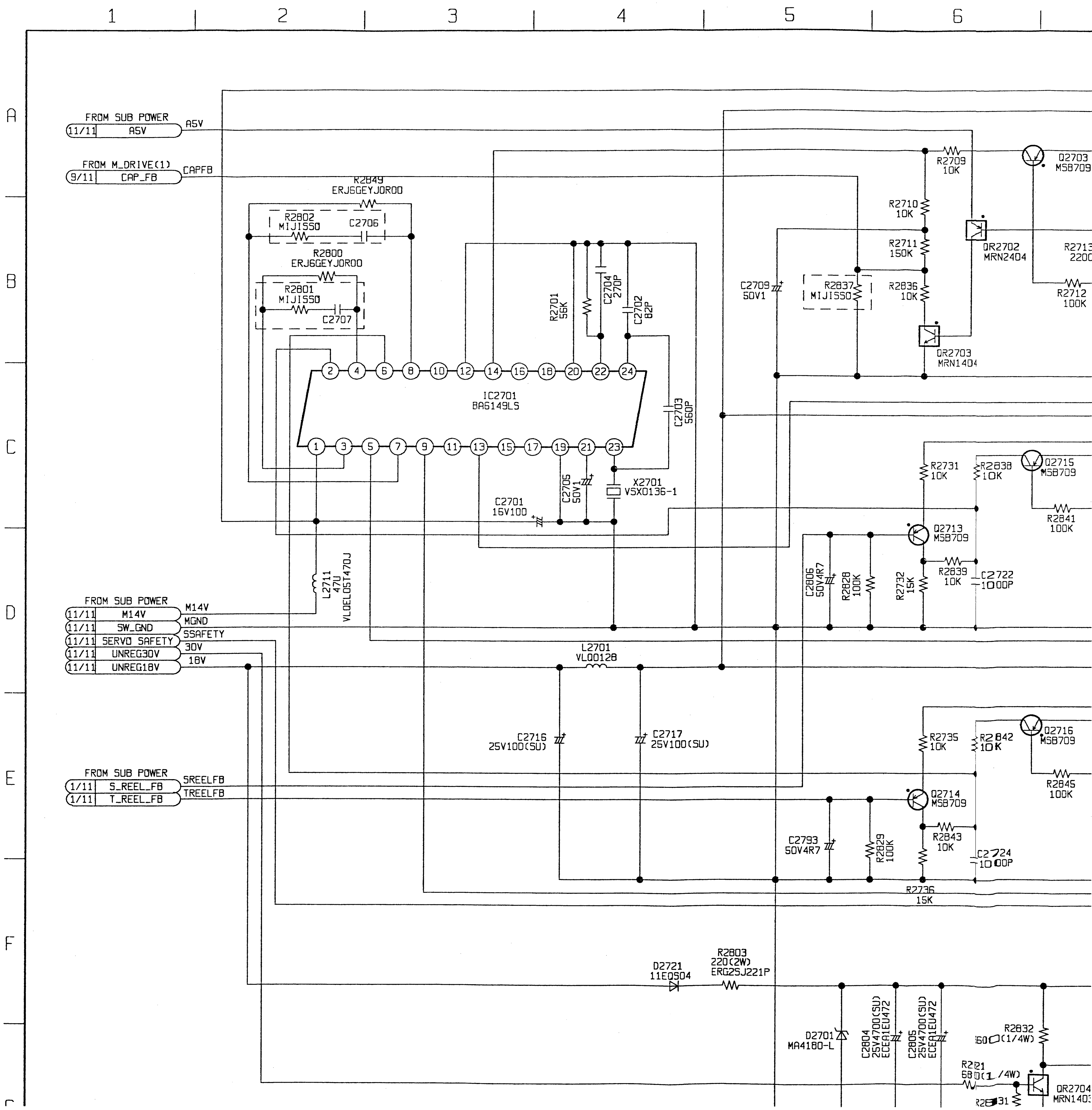
'05 (SCM-14)					IC2706 (SCM-14)							
4	5	6	7	8	1	2	3	4	5	6	7	8
0	2.2	0.5	5.0	5.0	3.2	1.9	1.9	0	1.9	1.9	0.5	5.0
0	2.0	2.0	2.6	5.0	2.0	1.9	1.9	0	1.9	1.9	2.0	5.0
0	2.2	1.0	5.0	5.0	0.6	1.9	1.9	0	1.9	1.9	1.0	5.0

	IC2708 (SCM-14)							
8	1	2	3	4	5	6	7	8
5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0
5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0
5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0

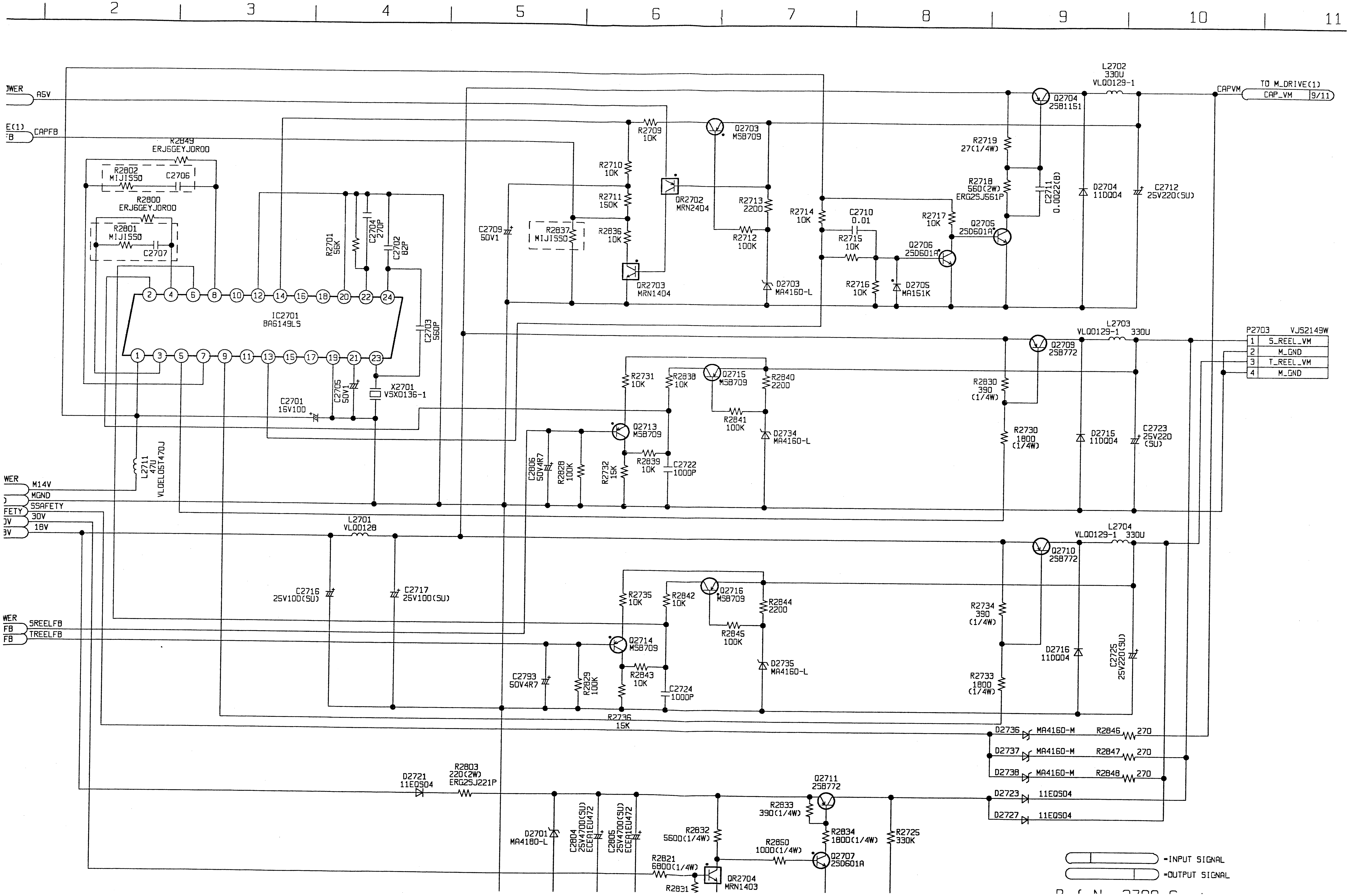
	IC2710 (SCM-14)							
8	1	2	3	4	5	6	7	8
5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	52.0
5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0
5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0

	IC2715 (SCM-14)		
8	I	G	O
5.0	18.4	0	12.0
5.0	18.4	0	12.0
5.0	18.3	0	12.0

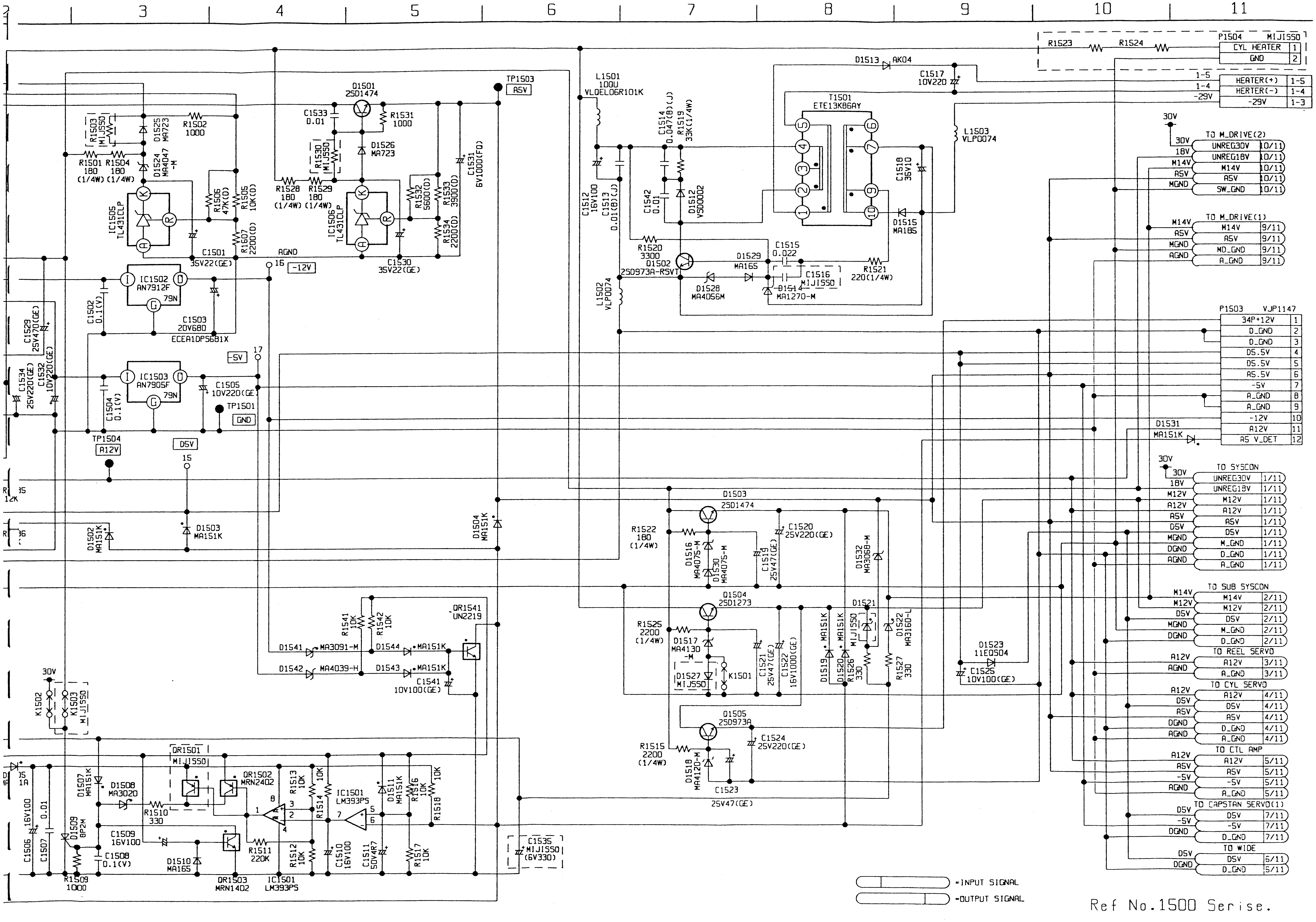
703 (SCM-15)		QR2704 (SCM-15)		
C	B	E	C	B
0.3	0	0	0.1	2.4


1
2
3
4
5
6
A
B
C
D
E
F
FROM SUB POWER
11/11 A5V
A5V
FROM M_DRIVE(1)
9/11 CAP_FB
CAPFB
R2849
ERJ6GEYJOR00
R2802
MIJ1550
C2706
R2800
ERJ6GEYJOR00
R2801
MIJ1550
C2707
R2701
56K
C2704
270P
C2702
82P
IC2701
BA6149LS
C2703
560P
C2705
50V1
X2701
VSX0136-1
C2701
16V100
L2711
47U
VLOEL05T470J
R2709
10K
Q2703
MSB709
R2710
10K
R2711
150K
QR2702
MRN2404
R2713
220
C2709
50V1
R2837
MIJ1550
R2836
10K
R2712
100K
QR2703
MRN1404
R2731
10K
R2838
10K
Q2715
MSB709
R2841
100K
Q2713
MSB709
R2839
10K
C2722
1000P
C2806
50V4R7
R2828
100K
R2732
15K
FROM SUB POWER
11/11 M14V
11/11 SW_GND
11/11 SERVO SAFETY
11/11 UNREG30V
11/11 UNREG18V
M14V
MGND
SSAFETY
30V
18V
L2701
VLQ0128
C2716
25V100(SU)
C2717
25V100(SU)
R2735
10K
R2842
10K
Q2716
MSB709
R2845
100K
FROM SUB POWER
1/11 S_REEL_FB
1/11 T_REEL_FB
SREELFB
TREELFB
Q2714
MSB709
R2843
10K
C2793
50V4R7
R2829
100K
C2724
1000P
R2736
15K
R2803
220(2W)
ERG2SJ221P
D2721
11EQS04
D2701
MA4180-L
C2804
25V4700(SU)
ECEA1EU472
C2805
25V4700(SU)
ECEA1EU472
R2832
560(1/4W)
R2831
68(1/4W)
QR2704
MRN1403

RIVE (2) SCHEMATIC DIAGRAM 10/11


2
3
4
5
6
7
8
9
10
11
A5V
CAPFB
M14V
MGND
SSAFETY
30V
18V
SREELFB
TREELFB
TO M_DRIVE(1)
CAPVM
CAP_VM
9/11
R2849 ERJ6GEYJ0R00
R2802 MIJ1550
C2706
R2800 ERJ6GEYJ0R00
R2801 MIJ1550
C2707
IC2701 BA6149LS
R2701 56K
C2704 270P
C2702 82P
C2703 560P
C2705 50V1
C2701 16V100
X2701 VSX0136-1
L2711 47U VLQEL05T470J
R2709 10K
R2710 10K
R2711 150K
R2836 10K
R2837 MIJ1550
C2709 50V1
QR2702 MRN2404
QR2703 MRN1404
Q2703 MSB709
R2713 2200
R2712 100K
D2703 MA4160-L
R2714 10K
C2710 0.01
R2715 10K
R2716 10K
D2705 MA151K
Q2706 2SD601A
R2717 10K
Q2705 2SD601A
R2718 560(2W) ERG2SJ561P
R2719 27(1/4W)
C2711 0.0022(B)
Q2704 2SB1151
L2702 330U VLQ0129-1
D2704 11DQ04
C2712 25V220(SU)
P2703 VJS2149W
1 S_REEL_VM
2 M_GND
3 T_REEL_VM
4 M_GND
L2703 VLQ0129-1 330U
Q2709 2SB772
R2830 390 (1/4W)
R2730 1800 (1/4W)
D2715 11DQ04
C2723 25V220 (SU)
R2731 10K
R2838 10K
Q2715 MSB709
R2840 2200
R2841 100K
D2734 MA4160-L
Q2713 MSB709
R2839 10K
C2722 1000P
C2806 50V4R7
R2828 100K
R2732 15K
L2701 VLQ0128
C2716 25V100(SU)
C2717 25V100(SU)
L2704 VLQ0129-1 330U
Q2710 2SB772
R2734 390 (1/4W)
R2733 1800 (1/4W)
D2716 11DQ04
C2725 25V220(SU)
R2735 10K
R2842 10K
Q2716 MSB709
R2844 2200
R2845 100K
D2735 MA4160-L
Q2714 MSB709
R2843 10K
C2724 1000P
C2793 50V4R7
R2829 100K
R2736 15K
D2736 MA4160-M
R2846 270
D2737 MA4160-M
R2847 270
D2738 MA4160-M
R2848 270
D2723 11EQS04
D2727 11EQS04
D2721 11EQS04
R2803 220(2W) ERG2SJ221P
D2701 MA4160-L
C2804 25V4700(SU) ECEA1EU472
C2805 25V4700(SU) ECEA1EU472
R2832 5600(1/4W)
R2821 6800(1/4W)
R2831
QR2704 MRN1403
R2833 390(1/4W)
Q2711 2SB772
R2834 1800(1/4W)
R2850 1000(1/4W)
Q2707 2SD601A
R2725 330K
=INPUT SIGNAL
=OUTPUT SIGNAL

ATIC DIAGRAM 11/11


2
3
4
5
6
7
8
9
10
11
R1523
R1524
P1504 MIJ1550
CYL HEATER 1
GND 2
1-5 HEATER(+) 1-5
1-4 HERTER(-) 1-4
-29V -29V 1-3
D1513 AK04
C1517 10V220
T1501 ETE13KB6AY
L1503 VLP0074
C1518 35V10
D1515 MA185
L1501 100U VLOEL06R101K
C1514 0.047(B)(J)
R1519 33K(1/4W)
C1512 16V100
C1513 0.01(B)(J)
C1542 0.01
D1512 VSD0002
R1520 3300
Q1502 2SD973A-RSVT
D1529 MA165
C1515 0.022
C1516 MIJ1550
R1521 220(1/4W)
D1528 MA4056M
D1514 MA1270-M
L1502 VLP0074
TP1503 ASV
Q1501 2SD1474
C1533 0.01
R1531 1000
R1530 MIJ1550
D1526 MA723
C1531 6V1000(FO)
R1528 180 (1/4W)
R1529 180 (1/4W)
IC1506 TL431CLP
R1532 5600(D)
R1533 3900(D)
R1534 2200(D)
C1530 35V22(GE)
R1503 MIJ1550
D1525 MA723
R1502 1000
R1501 180 (1/4W)
R1504 180 (1/4W)
D1524 MA4047-M
IC1505 TL431CLP
R1506 47K(D)
R1505 10K(D)
R1607 2200(D)
C1501 35V22(GE)
AGND
16 -12V
IC1502 AN7912F 79N
C1502 0.1(V)
C1503 20V680 ECEA1DP5681X
C1529 25V470(GE)
C1534 25V220(GE)
C1532 10V220(GE)
-5V 17
IC1503 AN7905F 79N
C1504 0.1(V)
C1505 10V220(GE)
TP1501 GND
TP1504 A12V
DSV 15
D1503 MA151K
D1502 MA151K
D1504 MA151K
30V
TO M_DRIVE(2)
30V UNREG30V 10/11
18V UNREG18V 10/11
M14V M14V 10/11
ASV ASV 10/11
MGND SW_GND 10/11
TO M_DRIVE(1)
M14V M14V 9/11
ASV ASV 9/11
MGND MD_GND 9/11
AGND A_GND 9/11
P1503 VJP1147
34P+12V 1
D_GND 2
D_GND 3
DS.5V 4
DS.5V 5
AS.5V 6
-5V 7
A_GND 8
A_GND 9
-12V 10
A12V 11
AS V_DET 12
D1531 MA151K
TO SYSCON
30V UNREG30V 1/11
18V UNREG18V 1/11
M12V M12V 1/11
A12V A12V 1/11
ASV ASV 1/11
DSV DSV 1/11
MGND M_GND 1/11
DGND D_GND 1/11
AGND A_GND 1/11
TO SUB SYSCON
M14V M14V 2/11
M12V M12V 2/11
DSV DSV 2/11
MGND M_GND 2/11
DGND D_GND 2/11
TO REEL SERVO
A12V A12V 3/11
AGND A_GND 3/11
TO CYL SERVO
A12V A12V 4/11
DSV DSV 4/11
ASV ASV 4/11
DGND D_GND 4/11
AGND A_GND 4/11
TO CTL AMP
A12V A12V 5/11
ASV ASV 5/11
-5V -5V 5/11
AGND A_GND 5/11
TO CAPSTAN SERVO(1)
DSV DSV 7/11
-5V -5V 7/11
DGND D_GND 7/11
TO WIDE
DSV DSV 6/11
DGND D_GND 6/11
Q1503 2SD1474
R1522 180 (1/4W)
C1520 25V220(GE)
D1516 MA4075-M
D1530 MA4075-M
C1519 25V47(GE)
D1532 MA3068-M
Q1504 2SD1273
R1525 2200 (1/4W)
D1517 MA4130-M
D1527 MIJ1550
K1501
C1521 25V47(GE)
C1522 16V1000(GE)
D1521
MA151K
MIJ1550
D1522 MA3160-L
D1519
D1520
R1526 330
R1527 330
D1523 11EQ504
C1525 10V100(GE)
Q1505 2SD973A
C1524 25V220(GE)
R1515 2200 (1/4W)
D1518 MA4120-M
C1523 25V47(GE)
R1541 10K
R1542 10K
QR1541 UN2219
D1541 MA3091-M
D1544 MA151K
D1542 MA4039-H
D1543 MA151K
C1541 10V100(GE)
30V
K1502
K1503 MIJ1550
C1506 16V100
C1507 0.01
D1509 8P2M
R1509 1000
D1507 MA151K
D1508 MA3020
R1510 330
C1509 16V100
C1508 0.1(V)
D1510 MA165
QR1501 MIJ1550
QR1502 MRN2402
QR1503 MRN1402
R1511 220K
R1513 10K
R1514 10K
R1512 10K
IC1501 LM393PS
C1510 16V100
C1511 50V4R7
D1511 MA151K
R1516 10K
R1517 10K
R1518 10K
C1535 MIJ1550 (6V330)
=INPUT SIGNAL
=OUTPUT SIGNAL

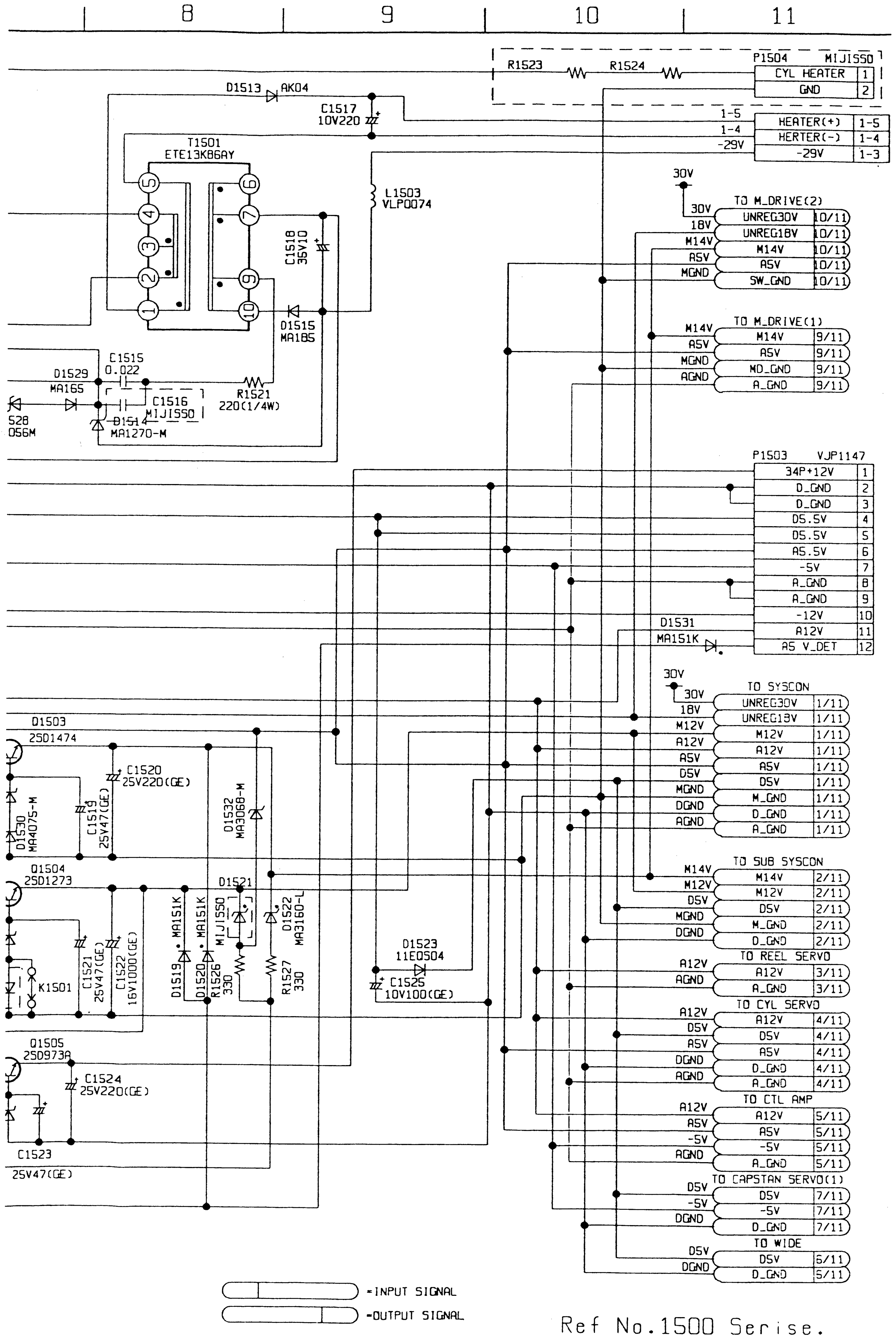
Ref No.1500 Serise.

SUB POW

REF. NO. / MODE	
STOP	4
REC	4
FF	4

REF. NO. / MODE	
STOP	5
REC	5
FF	5

REF. NO. / MODE	
STOP	5
REC	5
FF	5


8
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R1523
R1524
P1504 MIJ1550
CYL HEATER 1
GND 2
D1513 AK04
C1517 10V220
HEATER(+) 1-5
HERTER(-) 1-4
-29V 1-3
T1501 ETE13KB6AY
L1503 VLP0074
C1518 35V10
D1515 MA185
C1515 0.022
D1529 MA165
C1516 MIJ1550
D1514 MA1270-M
R1521 220(1/4W)
30V
TO M_DRIVE(2)
UNREG30V 10/11
UNREG18V 10/11
M14V 10/11
A5V 10/11
SW_GND 10/11
TO M_DRIVE(1)
M14V 9/11
A5V 9/11
MD_GND 9/11
A_GND 9/11
P1503 VJP1147
34P+12V 1
D_GND 2
D_GND 3
D5.5V 4
D5.5V 5
A5.5V 6
-5V 7
A_GND 8
A_GND 9
-12V 10
A12V 11
A5 V_DET 12
D1531 MA151K
TO SYSCON
UNREG30V 1/11
UNREG13V 1/11
M12V 1/11
A12V 1/11
A5V 1/11
D5V 1/11
M_GND 1/11
D_GND 1/11
A_GND 1/11
TO SUB SYSCON
M14V 2/11
M12V 2/11
D5V 2/11
M_GND 2/11
D_GND 2/11
TO REEL SERVO
A12V 3/11
A_GND 3/11
TO CYL SERVO
A12V 4/11
D5V 4/11
A5V 4/11
D_GND 4/11
A_GND 4/11
TO CTL AMP
A12V 5/11
A5V 5/11
-5V 5/11
A_GND 5/11
TO CAPSTAN SERVO(1)
D5V 7/11
-5V 7/11
D_GND 7/11
TO WIDE
D5V 6/11
D_GND 5/11
Q1503 2SD1474
C1520 25V220(GE)
C1519 25V47(GE)
D1530 MA4075-M
D1532 MA3068-M
Q1504 2SD1273
D1521 MIJ1550
D1522 MA3160-L
D1519 MA151K
D1520 MA151K
R1526 330
R1527 330
C1521 25V47(GE)
C1522 16V1000(GE)
K1501
D1523 11E0504
C1525 10V100(GE)
Q1505 2SD973A
C1524 25V220(GE)
C1523 25V47(GE)
-INPUT SIGNAL
-OUTPUT SIGNAL

Ref No.1500 Serise.

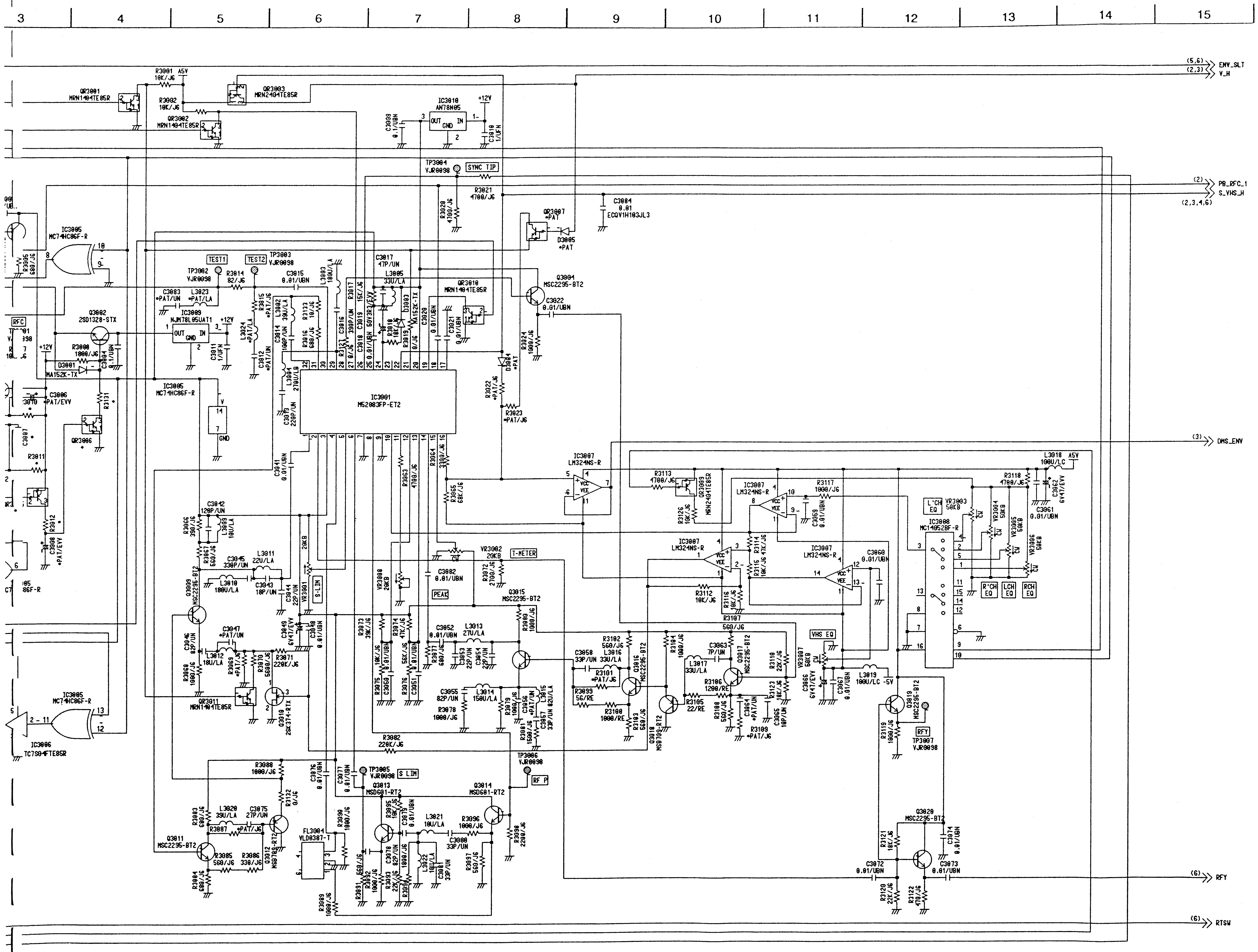
SUB POWER

REF. NO. / MODE	IC1501								IC1502			IC1503			IC1505		
	1	2	3	4	5	6	7	8	G	I	O	G	I	O	K	A	R
STOP	4.7	0.1	2.7	0	2.7	5.3	0.1	5.3	0	-14.7	-12.2	0	-7.0	-5.0	7.7	0	2.5
REC	4.7	0.1	2.7	0	2.7	5.3	0.1	5.3	0	-14.7	-12.2	0	-7.0	-5.0	7.7	0	2.5
FF	4.7	0.1	2.7	0	2.7	5.3	0.1	5.3	0	-14.7	-12.2	0	-6.9	-5.0	7.7	0	2.5

REF. NO. / MODE	IC1506		
	K	A	R
STOP	5.9	0	2.5
REC	5.9	0	2.5
FF	5.9	0	2.5

REF. NO. / MODE	Q1501			Q1502			Q1503			Q1504			Q1505		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.1	5.4	5.7	0	5.3	-3.0	14.8	18.3	15.4	13.0	13.6	13.5	12.0	13.0	12.3
REC	5.1	5.4	5.7	0	5.6	-3.0	15.0	18.5	15.5	13.0	13.4	13.5	12.0	12.9	12.3
FF	5.1	5.4	5.7	0	4.7	-3.0	15.0	18.1	15.4	13.0	13.5	13.5	12.0	12.9	12.3

IC DIAGRAM 1/7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QR3001 MRN1404TE85R
R3001 A5V 10K/J6
R3002 10K/J6
QR3002 MRN1404TE85R
QR3003 MRN2404TE85R
IC3010 AN78N05
+12V
C3009 0.1/UBN
C3010 1/UFN
TP3004 VJR0098
SYNC TIP
R3021 4700/J6
R3020 4700/J6
C3084 0.01 ECQV1H103JL3
QR3007 *PAT
D3005 *PAT
Q3004 MSC2295-BT2
C3022 0.01/UBN
R3024 1000/J6
IC3005 MC74HC86F-R
Q3002 2SD1328-STX
R3008 1000/J6
C3004 0.1/UBN
D3001 MA152K-TX
C3006 *PAT/EVV
QR3006
R3011
R3012
C3008 *PAT/EVV
TEST1
TEST2
TP3002 VJR0098
TP3003 VJR0098
R3014 82/J6
C3015 0.01/UBN
C3003 *PAT/UN
L3023 *PAT/LA
IC3009 NJM78L05UAT1
C3011 1/UFN
L3024 *PAT/LA
C3012 *PAT/UN
L3002 39U/LA
L3003 100U/LA
C3017 47P/UN
L3005 33U/LA
QR3010 MRN1404TE85R
D3003 MA152K-TX
C3020 0.01/UBN
C3021 0.01/UBN
L3004 270U/LB
C3079 220P/UN
IC3001 M52083FP-ET2
R3022 *PAT/J6
D3004 *PAT
R3023 *PAT/J6
C3041 0.01/UBN
R3063 4700/J6
R3064 3300/J6
R3065 68K/J6
IC3007 LM324NS-R
R3113 4700/J6
QR3009 MRN2404TE85R
R3126 10K/J6
R3117 1000/J6
C3059 0.01/UBN
L'CH EQ
VR3003 50KB
IC3008 MC14052BF-R
VR3004 50KB
VR3005 50KB
VR3006 50KB
L3018 A5V 100U/LC
R3118 4700/J6
C3062 6V47/EVV
C3061 0.01/UBN
R'CH EQ
LCH EQ
RCH EQ
C3060 0.01/UBN
R3112 10K/J6
R3116 8K/J6
R3107 560/J6
VHS EQ
VR3007 50KB
R3066 390/J6
C3042 120P/UN
L3009 100U/LA
R3067 560/J6
C3045 330P/UN
L3011 22U/LA
L3010 100U/LA
C3043 18P/UN
C3044 22P/UN
Q3009 MSC2295-BT2
VR3001 20KB
S-LIM
VR3002 20KB
T-METER
R3072 2700/J6
C3082 0.01/UBN
PEAK
VR3008 20KB
Q3015 MSC2295-BT2
C3047 *PAT/UN
L3012 18U/LA
R3069 *PAT/J6
R3070 560/J6
R3071 220K/J6
C3049 6V47/EVV
C3048 0.01/UBN
QR3011 MRN1404TE85R
Q3010 2SK374-RTX
R3073 39K/J6
R3074 47K/J6
C3052 0.01/UBN
L3013 27U/LA
C3053 22P/UN
C3054 22P/UN
C3055 82P/UN
L3014 150U/LA
R3078 1000/J6
C3058 33P/UN
R3102 560/J6
L3016 33U/LA
R3101 *PAT/J6
R3099 56/RE
R3100 1000/RE
Q3016 MSC2295-BT2
R3104 1000/J6
L3017 33U/LA
C3063 7P/UN
R3106 1200/RE
Q3017 MSC2295-BT2
R3105 22/RE
R3110 22K/J6
C3064 *PAT/UN
R3109 *PAT/J6
C3065 10P/UN
Q3018 MSC2295-BT2
C3066 6V47/EVV
C3067 0.01/UBN
L3019 100U/LC -5V
Q3019 MSC2295-BT2
RFY
TP3007 VJR0098
IC3005 MC74HC86F-R
IC3006 TC7S04FTE85R
R3082 220K/J6
TP3006 VJR0098
RF P
R3088 1000/J6
C3076 0.01/UBN
C3077 0.01/UBN
TP3005 VJR0098
S LIM
Q3013 MSD601-RT2
Q3014 MSD601-RT2
L3020 39U/LA
C3075 27P/UN
R3087 *PAT/J6
Q3011 MSC2295-BT2
Q3012 MSC2295-BT2
R3085 560/J6
R3086 330/J6
R3084 680/J6
FL3004 VLD0387-T
L3021 10U/LA
R3096 1000/J6
C3080 33P/UN
L3022 10U/LA
C3081 33P/UN
R3097 560/J6
R3098 2200/J6
R3089 1000/J6
R3121 18K/J6
Q3020 MSC2295-BT2
C3074 0.01/UBN
C3072 0.01/UBN
C3073 0.01/UBN
R3120 22K/J6
R3122 470/J6
(5,6) ENV_SLT
(2,3) V_H
(2) PB_RFC_1
S_VHS_H
(2,3,4,6)
(3) DMS_ENV
(6) RFY
(6) RTSW

VIDEO I/O (1)

REF. NO. / MODE	QR3	
	E	C
PLAY	0	0
REC	0	3.

REF. NO. / MODE	QR3	
	E	C
PLAY	4.8	0
REC	4.8	3.5

REF. NO. / MODE	Q30	
	E	C
PLAY	11.5	0
REC	11.4	11

REF. NO. / MODE	Q30	
	E	C
PLAY	0.8	4.
REC	0.8	4.

REF. NO. / MODE	Q30	
	E	C
PLAY	1.2	3.
REC	1.2	3.

REF. NO. / MODE		
	1	2
PLAY	3.6	2.
REC	3.6	2.

REF. NO. / MODE		
	21	22
PLAY	0	4.
REC	3.6	0.

REF. NO. / MODE		
	1	2
PLAY	3.6	0
REC	0	0

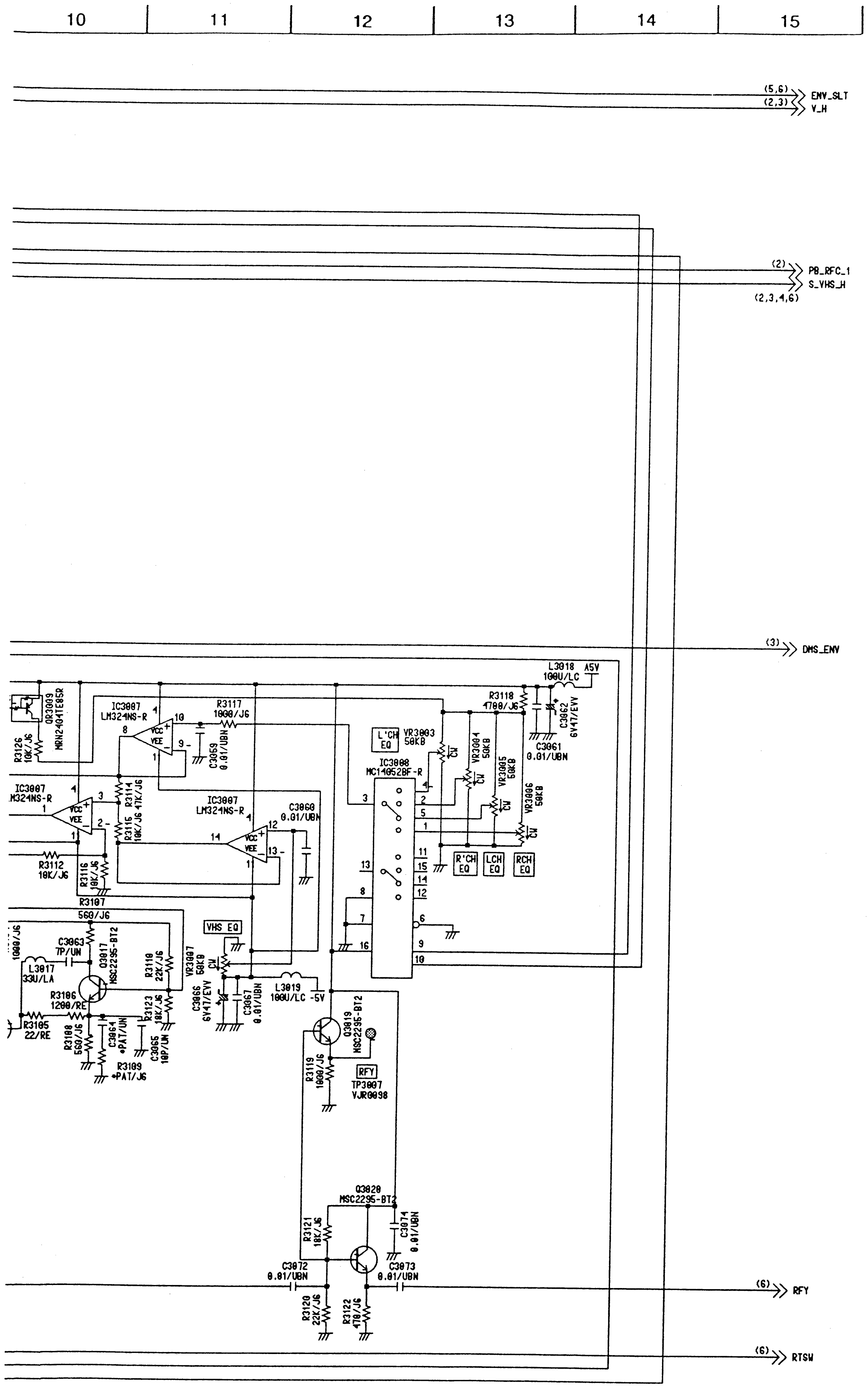
REF. NO. / MODE		
	1	2
PLAY	0	4.
REC	0	4.

REF. NO. / MODE		
	1	2
PLAY	-0.8	-0.
REC	-0.7	-0.

REF. NO. / MODE		
	1	2
PLAY	2.2	1.
REC	2.2	1.

REF. NO. / MODE	IC30	
	1	2
PLAY	4.9	0
REC	4.9	0

REF. NO. / MODE	IC30	
	1	2
PLAY	11.5	0
REC	11.4	0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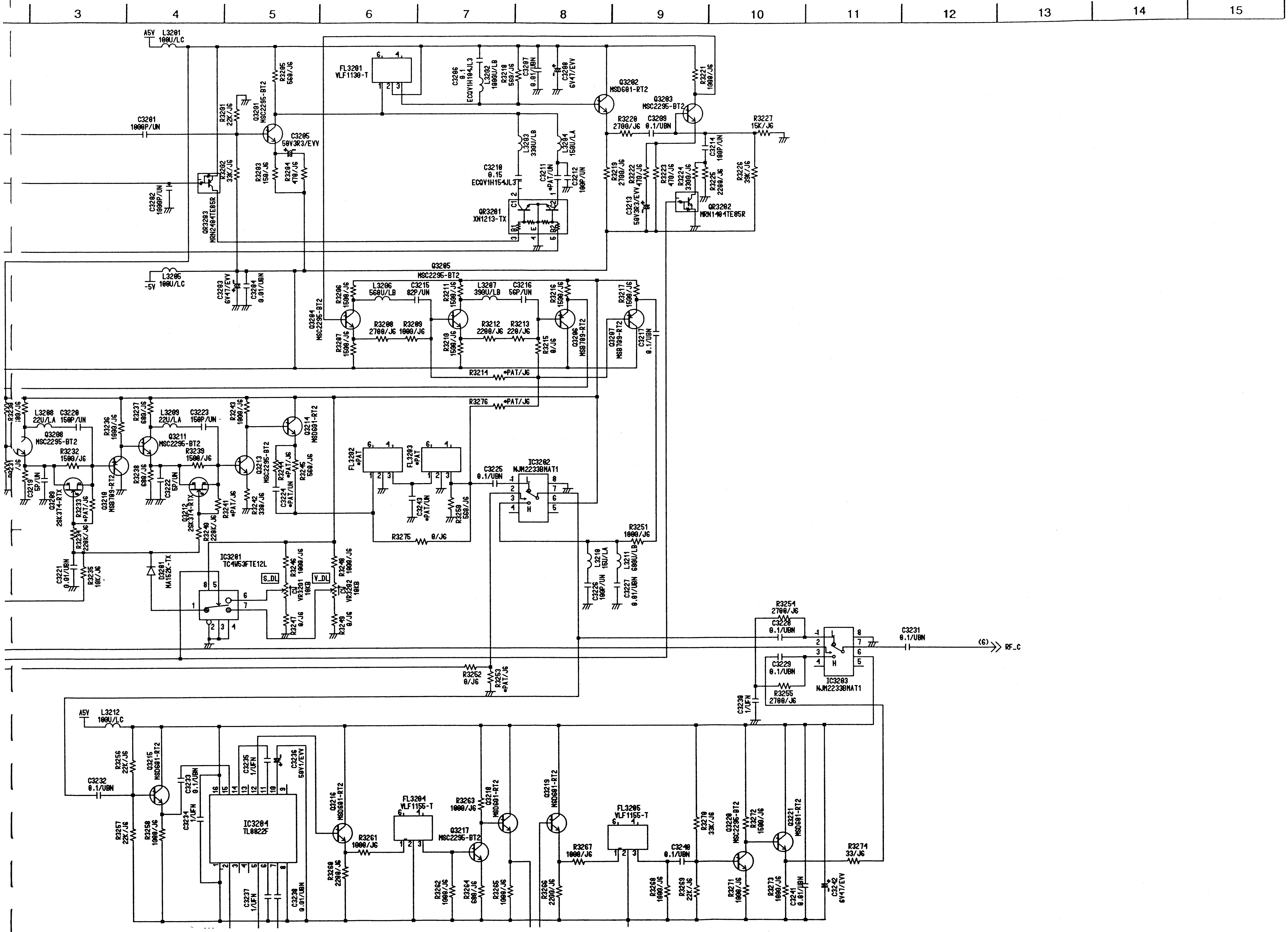
(5,6) ENV_SLT
(2,3) V_H
(2) PB_RFC_1
S_VHS_H
(2,3,4,6)
(3) DMS_ENV
L3018 100U/LC A5V
R3118 4700/J6
C3062 6V47/EVV
C3061 0.01/UBN
QR3009 MRN2404TE85R
R3126 10K/J6
IC3007 LM324NS-R
R3117 1000/J6
C3059 0.01/UBN
VCC
VEE
L'CH EQ
VR3003 50KB
VR3004 50KB
VR3005 50KB
VR3006 50KB
IC3008 MC14052BF-R
R3114 47K/J6
R3115 10K/J6
C3060 0.01/UBN
R'CH EQ
LCH EQ
RCH EQ
R3112 10K/J6
R3116 10K/J6
R3107 560/J6
VHS EQ
C3063 7P/UN
Q3017 MSC2295-BT2
R3110 22K/J6
VR3007 50KB
L3017 33U/LA
R3106 1200/RE
R3105 22/RE
R3108 560/J6
C3064 *PAT/UN
R3109 *PAT/J6
R3123 18K/J6
C3065 10P/UN
C3066 6V47/EVV
C3067 0.01/UBN
L3019 100U/LC -5V
Q3019 MSC2295-BT2
R3119 1000/J6
RFY
TP3007 VJR0098
Q3020 MSC2295-BT2
R3121 18K/J6
C3074 0.01/UBN
C3072 0.01/UBN
C3073 0.01/UBN
R3120 22K/J6
R3122 470/J6
(6) RFY
(6) RTSW

VIDEO I/O (1)

REF. NO.	QR3001			QR3002			QR3003			QR3004			QR3005			QR3006				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	0	0	3.8	0	4.8	0	4.8	4.8	0.4	0	0	8.1	11.5	0	11.5	0	5.6	0		
REC	0	3.6	0	0	4.8	0	4.8	4.8	0.3	0	11.3	0.5	11.4	11.4	0	0	0	7.7		
REF. NO.	QR3009			QR3010			QR3011													
MODE	E	C	B	E	C	B	E	C	B											
PLAY	4.8	0	4.5	0	0	4.8	0	0	0											
REC	4.8	3.5	4.5	0	2.4	0	0	0	3.6											
REF. NO.	Q3001			Q3002			Q3003			Q3004			Q3009			Q3010				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	G	S	D		
PLAY	11.5	0	11.5	4.9	4.9	5.6	1.5	4.9	2.1	1.8	4.9	2.6	0.7	4.4	1.4	-0.4	0	0		
REC	11.4	11.3	10.7	0.2	4.9	0.1	0	4.9	0	1.8	4.9	2.6	0.7	4.4	1.4	-0.4	0	0		
REF. NO.	Q3011			Q3012			Q3013			Q3014			Q3015			Q3016				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	0.8	4.0	1.5	1.5	0	0.8	2.6	4.9	3.2	1.5	4.9	2.2	0.5	4.3	1.2	1.2	3.7	1.9		
REC	0.8	4.0	1.5	1.4	0	0.8	2.6	4.9	3.2	1.5	4.9	2.1	0.4	4.3	1.1	1.1	3.6	1.9		
REF. NO.	Q3017			Q3018			Q3019			Q3020										
MODE	E	C	B	E	C	B	E	C	B	E	C	B								
PLAY	1.2	3.6	2.0	1.9	0	1.2	1.4	4.8	2.1	1.4	4.8	2.1								
REC	1.2	3.6	1.9	1.9	0	1.2	1.4	4.8	2.1	1.4	4.8	2.1								
REF. NO.	IC3001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	3.6	2.1	4.9	3.0	0.7	2.7	0	2.2	0	2.0	2.8	1.0	2.6	3.7	1.0	0.2	3.1	2.9	2.4	4.9
REC	3.6	2.1	4.9	3.0	0.7	2.7	0	2.1	0	2.1	2.8	1.0	2.6	3.7	1.0	0.1	3.0	2.9	2.4	4.9
REF. NO.	IC3001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32								
PLAY	0	4.8	0.1	2.8	3.8	0.1	4.8	2.6	2.7	3.4	1.5	3.3								
REC	3.6	0.4	1.7	2.6	3.8	0.1	4.8	2.6	2.7	0	1.5	3.3								
REF. NO.	IC3005																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	3.6	0	4.9	4.9	0	4.9	0	4.9	0	5.0	4.9	5.0	0	4.9						
REC	0	0	0	0	0	0	0	0	0	5.0	0	5.0	0	4.9						
REF. NO.	IC3006																			
MODE	1	2	3	4	5															
PLAY	0	4.9	0	4.9	4.9															
REC	0	4.9	0	4.9	4.9															
REF. NO.	IC3007																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	-0.8	-0.4	-0.4	4.8	0.4	0.4	0.2	2.0	1.9	1.8	-4.9	-0.9	-0.9	-0.9						
REC	-0.7	-0.4	-0.4	4.8	0	0	0	1.9	2.1	2.2	4.9	-0.9	-0.9	-0.9						
REF. NO.	IC3008																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	2.2	1.8	1.9	1.9	1.8	0	0	0	0	5.0	0.8	0.7	0.7	0.9	0.8	4.8				
REC	2.2	1.8	2.0	1.9	0	0	0	0	0	5.0	0.9	1.0	0.9	0.9	0.9	4.8				
REF. NO.	IC3009																			
MODE	1	2	3																	
PLAY	4.9	0	11.5																	
REC	4.9	0	11.4																	
REF. NO.	IC3010																			
MODE	1	2	3																	
PLAY	11.5	0	4.9																	
REC	11.4	0	4.9																	

HEMATIC DIAGRAM 2/7



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A5V
L3201 100U/LC
C3201 1000P/UN
C3202 1000P/UN
QR3203 MRN2404TE85R
R3201 22K/J6
R3202 33K/J6
Q3201 MSC2295-BT2
R3205 560/J6
R3203 150/J6
R3204 470/J6
C3205 50V3R3/EVV
FL3201 VLF1130-T
C3206 0.1 ECQV1H104JL3
L3202 1000U/LB
R3218 560/J6
C3207 0.01/UBN
C3208 6V47/EVV
L3203 330U/LB
L3204 150U/LA
C3210 0.15 ECQV1H154JL3
C3211 *PAT/UN
C3212 100P/UN
QR3201 XN1213-TX
Q3202 MSD601-RT2
Q3203 MSC2295-BT2
R3221 1000/J6
R3220 2700/J6
C3209 0.1/UBN
R3227 15K/J6
C3214 100P/UN
R3219 2700/J6
R3222 470/J6
R3223 470/J6
R3224 3300/J6
R3225 2200/J6
R3226 39K/J6
C3213 50V3R3/EVV
QR3202 MRN1404TE85R
-5V
L3205 100U/LC
C3203 6V47/EVV
C3204 0.01/UBN
Q3205 MSC2295-BT2
Q3204 MSC2295-BT2
R3206 1500/J6
L3206 560U/LB
C3215 82P/UN
R3211 1500/J6
L3207 390U/LB
C3216 56P/UN
R3216 1500/J6
R3217 1500/J6
R3207 1500/J6
R3208 2700/J6
R3209 1000/J6
R3210 1500/J6
R3212 2200/J6
R3213 220/J6
R3215 0/J6
Q3206 MSB709-RT2
Q3207 MSB709-RT2
C3217 0.1/UBN
R3214 *PAT/J6
R3276 *PAT/J6
R3230 100/J6
L3208 22U/LA
C3220 150P/UN
Q3208 MSC2295-BT2
R3232 1500/J6
R3236 1000/J6
R3237 680/J6
L3209 22U/LA
C3223 150P/UN
Q3211 MSC2295-BT2
R3239 1500/J6
R3243 1000/J6
Q3214 MSD601-RT2
C3219 5P/UN
Q3209 2SK374-RTX
R3233 *PAT/J6
Q3210 MSB709-RT2
R3238 680/J6
C3222 5P/UN
Q3212 2SK374-RTX
R3241 *PAT/J6
R3242 330/J6
Q3213 MSC2295-BT2
C3224 *PAT/UN
R3244 *PAT/J6
R3245 560/J6
R3234 220K/J6
R3240 220K/J6
C3221 0.01/UBN
R3235 10K/J6
D3201 MA152K-TX
IC3201 TC4W53FTE12L
S_DL
V_DL
R3246 1000/J6
VR3201 10KB
R3248 1000/J6
VR3202 10KB
R3247 0/J6
R3249 0/J6
FL3202 *PAT
FL3203 *PAT
C3243 *PAT/UN
R3250 560/J6
C3225 0.1/UBN
IC3202 NJM2233BMAT1
R3275 0/J6
R3251 1000/J6
L3210 15U/LA
L3211 680U/LB
C3226 100P/UN
C3227 0.01/UBN
R3254 2700/J6
C3228 0.1/UBN
C3229 0.1/UBN
R3255 2700/J6
IC3203 NJM2233BMAT1
C3230 1/UFN
C3231 0.1/UBN
(6)
RF_C
R3252 0/J6
R3253 *PAT/J6
A5V
L3212 100U/LC
R3256 22K/J6
Q3215 MSD601-RT2
C3232 0.1/UBN
C3233 0.1/UBN
R3257 22K/J6
R3258 1000/J6
C3234 1/UFN
C3235 1/UFN
C3236 50V1/EVV
IC3204 TL0822F
C3237 1/UFN
C3238 0.01/UBN
Q3216 MSD601-RT2
R3261 1000/J6
R3260 2200/J6
FL3204 VLF1155-T
R3263 1000/J6
Q3218 MSD601-RT2
Q3217 MSC2295-BT2
R3262 1000/J6
R3264 680/J6
R3265 1000/J6
Q3219 MSD601-RT2
R3266 2200/J6
R3267 1000/J6
FL3205 VLF1155-T
C3240 0.1/UBN
R3268 1000/J6
R3269 22K/J6
R3270 33K/J6
Q3220 MSC2295-BT2
R3272 1500/J6
Q3221 MSD601-RT2
R3271 1000/J6
R3273 1000/J6
C3241 0.01/UBN
C3242 6V47/EVV
R3274 33/J6

VIDEO

REF. NO MODE
PLAY
REC
REF. NO MODE
PLAY
REC
REF. NO MODE
PLAY
REC
REF. NO MODE
PLAY
REC
REF. NO MODE
PLAY
REC
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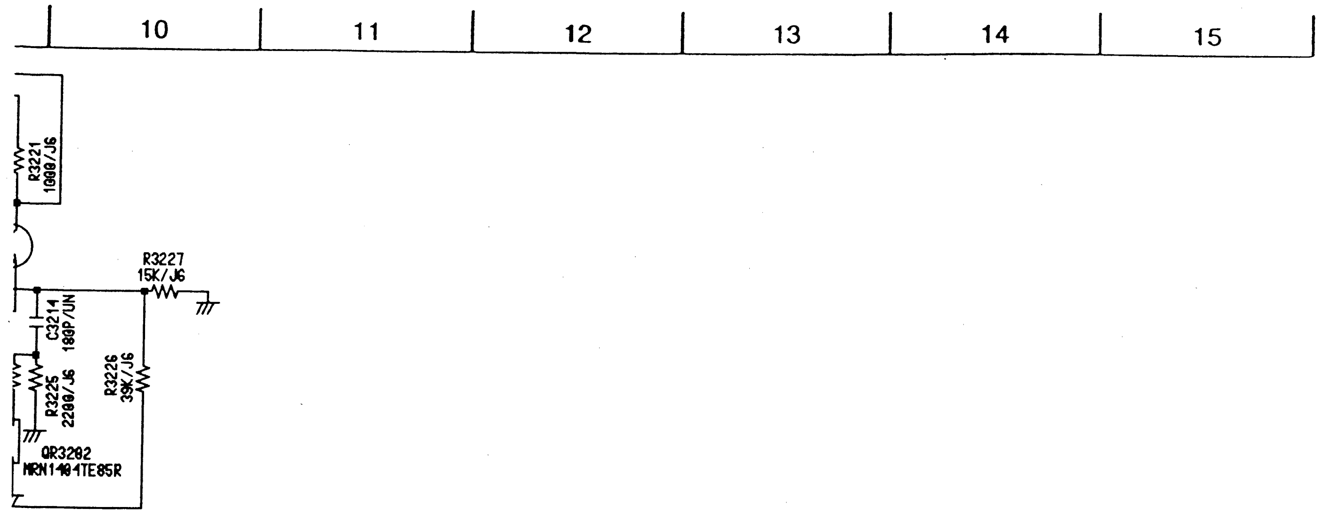
PLAY
REC
REF. NO MODE
PLAY
REC
REF. NO MODE
PLAY
REC
REF. NO MODE
PLAY
REC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11
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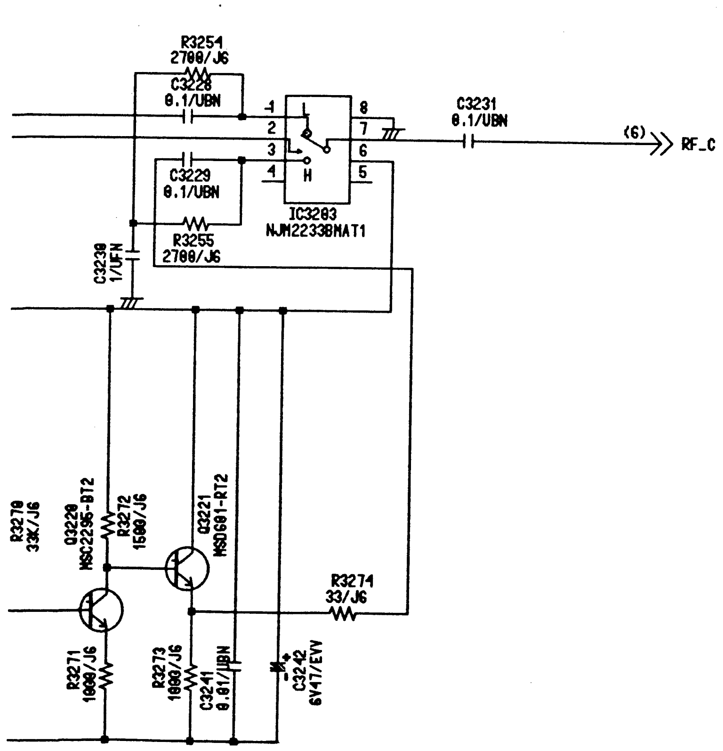
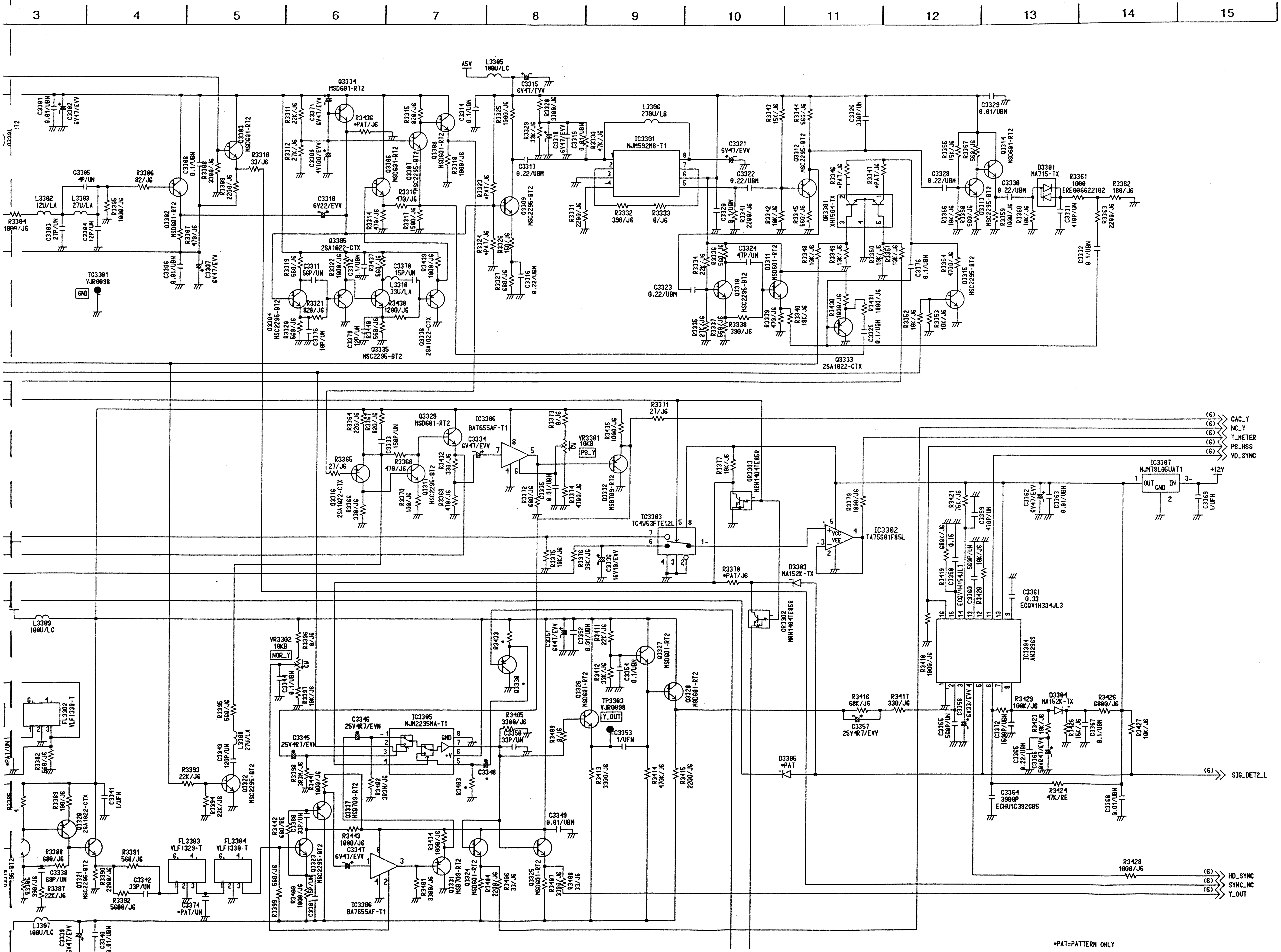
14
15
R3221
1000/J6
R3227
15K/J6
C3214
100P/UN
R3225
2200/J6
R3226
39K/J6
QR3202
NRN1404TE85R

VIDEO I/O (2)

REF. NO. / MODE																				
REF. NO.	Q3201			Q3202			Q3203			Q3204			Q3205			Q3206				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	-3.6	2.4	-2.9	0	0	0.4	-2.5	0	-1.7	-0.8	0.6	0	-1.6	1.5	-0.9	-0.9	-4.8	-1.5		
REC	-3.6	2.4	-2.9	1.9	4.6	2.5	-2.5	0	-1.8	-0.8	0.6	0	-1.6	1.5	-0.9	-0.9	-4.8	-1.6		
REF. NO.	Q3207			Q3208			Q3209			Q3210			Q3211			Q3212				
MODE	E	C	B	E	C	B	G	S	D	E	C	B	E	C	B	E	C	B		
PLAY	-0.9	-4.8	-1.5	1.5	3.0	2.2	0.3	1.5	1.5	2.2	0	1.5	1.4	3.1	2.2	1.4	0.3	1.4		
REC	-0.9	-4.8	-1.6	1.5	3.0	2.2	1.5	0.3	1.5	2.2	0	1.5	1.4	3.0	2.2	1.4	0.3	1.4		
REF. NO.	Q3213			Q3214			Q3215			Q3216			Q3217			Q3218				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	0.7	2.2	1.4	1.6	4.6	2.2	1.6	4.7	2.2	2.3	4.7	2.9	0.4	4.0	1.1	3.3	4.7	4.0		
REC	0.7	2.2	1.4	1.6	4.6	2.2	1.6	4.6	2.2	2.3	4.7	2.9	0.4	3.9	1.1	3.3	4.7	3.9		
REF. NO.	Q3219			Q3220			Q3221													
MODE	E	C	B	E	C	B	E	C	B											
PLAY	2.3	4.7	2.9	1.0	3.0	1.7	2.4	4.7	3.0											
REC	2.3	4.6	2.9	1.0	3.0	1.7	2.4	4.6	3.0											
REF. NO.	IC3201																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0.9	0	0	0	0.4	2.5	1.0	4.6												
REC	0.9	0	0	0	0.4	2.5	1.0	4.6												
REF. NO.	IC3202																			
MODE	1	2	3	4	5	6	7	8												
PLAY	2.7	0	2.7	0	0	4.6	1.9	0												
REC	2.7	0	2.7	0	0	4.6	1.9	0												
REF. NO.	IC3203																			
MODE	1	2	3	4	5	6	7	8												
PLAY	2.7	0	2.7	0	0	4.7	2.0	0												
REC	2.7	0	2.7	0	0	4.7	2.0	0												
REF. NO.	IC3204																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	2.4	0	0	2.9	1.3	2.3	0	0	9.8	1.4	2.9	0	0	2.4	0				
REC	0	2.3	0	0	2.9	1.3	2.3	0	0	9.8	1.4	2.9	0	0	2.4	4.7				
REF. NO.	QR3201					QR3203			QR3202											
MODE	1	2	3	4	5	E	C	B	E	C	B									
PLAY	0	0	0	0	4.8	4.6	0	4.5	0	0	0.3									
REC	0	0	0	0	4.8	4.6	0	4.5	0	0	0.4									


R3254
2700/J6
C3228
0.1/UBN
C3231
0.1/UBN
(G)
RF_C
C3229
0.1/UBN
R3255
2700/J6
IC3203
NJM2233BMAT1
L
H
1
2
3
4
5
6
7
8
C3230
1/UFN
R3270
33K/J6
Q3220
MSC2295-BT2
R3272
1500/J6
Q3221
MSD601-RT2
R3274
33/J6
R3271
1000/J6
R3273
1000/J6
C3241
0.01/UBN
C3242
6V47/EVV

ATIC DIAGRAM 3/7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15
A5V
L3305 100U/LC
IC3301 NJM592M8-T1
L3306 270U/LB
QR3301 XN1504-TX
Q3334 MSD601-RT2
Q3305 2SA1022-CTX
Q3335 MSC2295-BT2
Q3333 2SA1022-CTX
D3301 MA715-TX
TC3301 VJR0098
GND
IC3306 BA7655AF-T1
Q3329 MSD601-RT2
VR3301 10KB
PB_Y
IC3303 TC4W53FTE12L
QR3303 MRN1404TE85R
IC3302 TA75S01F85L
D3303 MA152K-TX
QR3302 MRN1404TE85R
IC3307 NJM78L05UAT1
+12V
IC3304 AN3295S
D3304 MA152K-TX
D3305 *PAT
VR3302 10KB
NOR_Y
IC3305 NJM2235MA-T1
TP3303 VJR0098
Y_OUT
FL3302 VLF1330-T
FL3303 VLF1329-T
FL3304 VLF1330-T
L3309 100U/LC
L3307 100U/LC
(6) CAC_Y
(6) NC_Y
(6) T_METER
(6) PB_HSS
(6) VD_SYNC
(6) SIG_DET2_L
(6) HD_SYNC
(6) SYNC_NC
(6) Y_OUT
*PAT=PATTERN ONLY

VIDEO I/O (3

REF. NO. MODE	
	1
PLAY	2.9
REC	3.5

REF. NO. MODE	
	1
PLAY	0.8
REC	0.7

REF. NO. MODE	
	1
PLAY	0.8
REC	0.7

REF. NO. MODE	
	1
PLAY	0
REC	0

REF. NO. MODE	
	1
PLAY	2.2
REC	1.7

REF. NO. MODE	
	1
PLAY	2.6
REC	2.6

REF. NO. MODE	
	1
PLAY	1.0
REC	1.0

REF. NO. MODE	
	E
PLAY	0.1
REC	-0.2

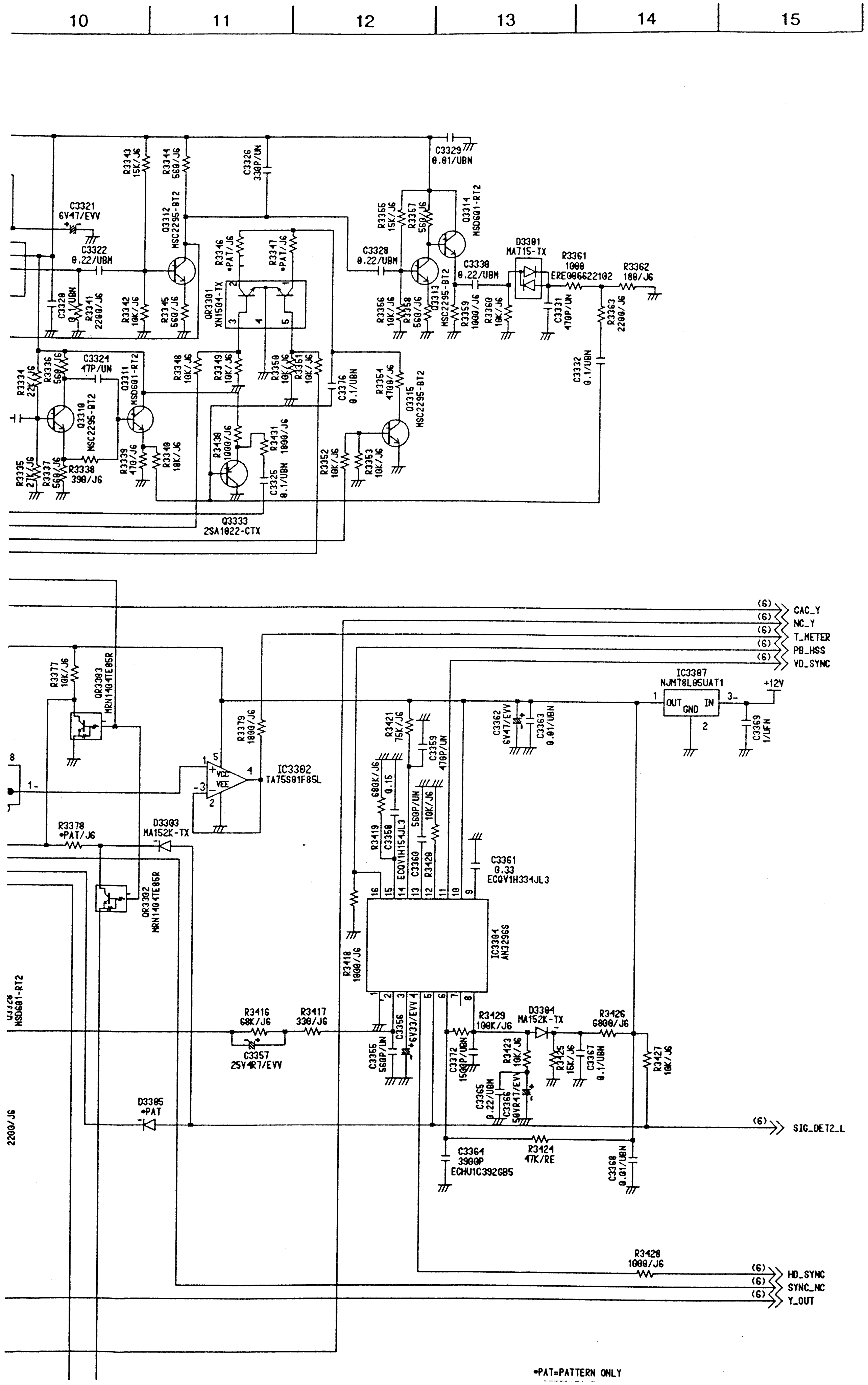
REF. NO. MODE	
	E
PLAY	1.7
REC	1.6

REF. NO. MODE	
	E
PLAY	1.0
REC	1.0

REF. NO. MODE	
	E
PLAY	4.4
REC	4.3

REF. NO. MODE	
	E
PLAY	0.9
REC	0.8

REF. NO. MODE	
	E
PLAY	2.2
REC	2.2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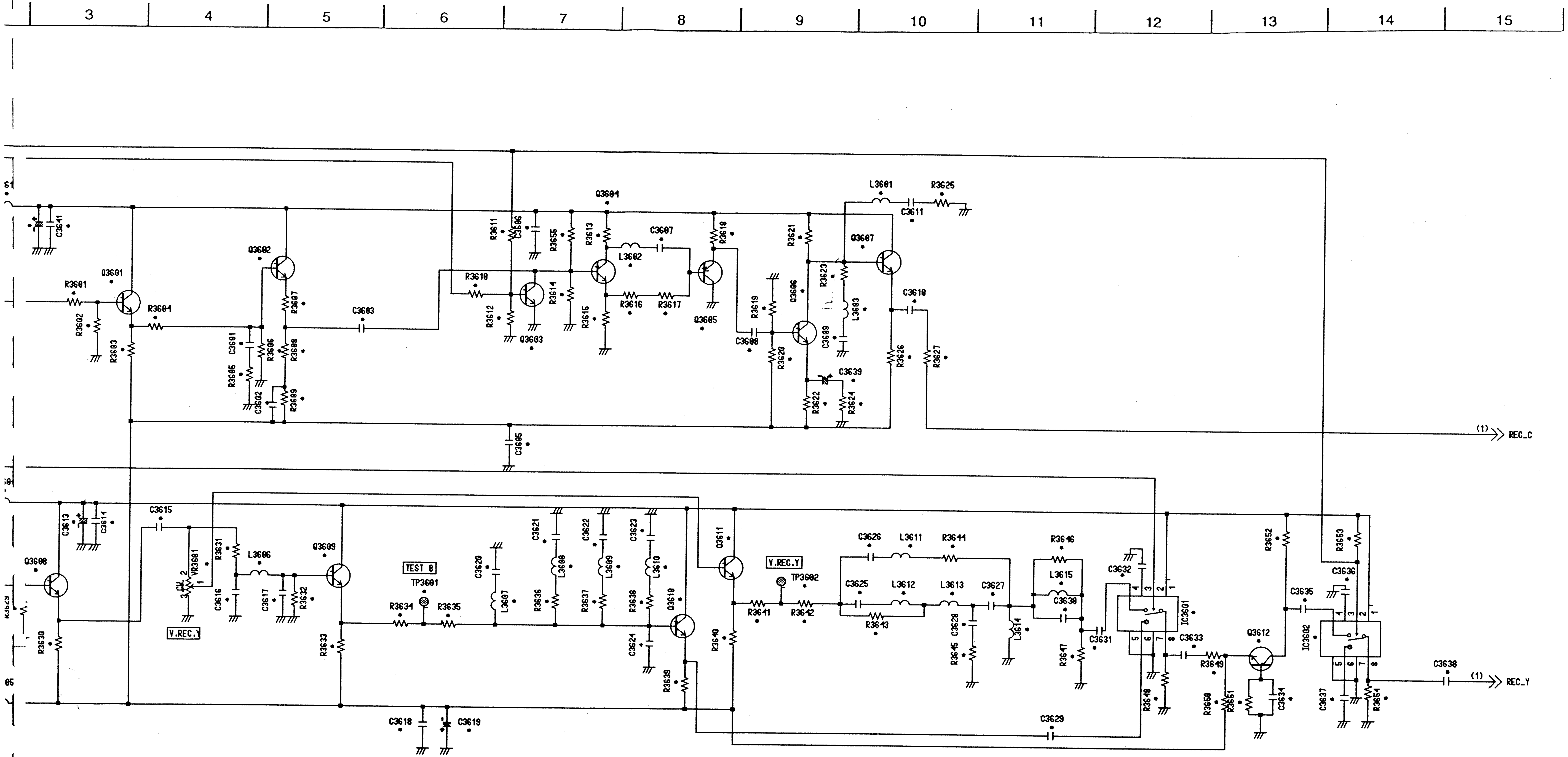
C3321
6V47/EVV
C3322
0.22/UBM
C3320
0.1/UBN
R3341
2200/J6
R3343
15K/J6
R3342
10K/J6
R3344
560/J6
Q3312
MSC2295-BT2
R3345
560/J6
C3326
330P/UN
R3346
*PAT/J6
R3347
*PAT/J6
QR3301
XN1504-TX
C3328
0.22/UBM
R3355
15K/J6
R3357
560/J6
Q3314
MSD601-RT2
R3356
10K/J6
R3358
560/J6
Q3313
MSC2295-BT2
C3329
0.01/UBN
C3330
0.22/UBM
R3359
1000/J6
R3360
10K/J6
D3301
MA715-TX
R3361
1000
ERE006622102
C3331
470P/UN
R3362
180/J6
R3363
2200/J6
C3332
0.1/UBN
R3334
22K/J6
R3336
560/J6
C3324
47P/UN
Q3310
MSC2295-BT2
Q3311
MSD601-RT2
R3335
27K/J6
R3337
560/J6
R3338
390/J6
R3339
470/J6
R3340
18K/J6
R3348
10K/J6
R3349
10K/J6
R3350
10K/J6
R3351
10K/J6
C3376
0.1/UBN
R3354
4700/J6
Q3315
MSC2295-BT2
R3430
1000/J6
R3431
1800/J6
C3325
0.1/UBN
R3352
10K/J6
R3353
10K/J6
Q3333
2SA1022-CTX
(6) CAC_Y
(6) NC_Y
(6) T_METER
(6) PB_HSS
(6) VD_SYNC
R3377
10K/J6
QR3303
MRN1404TE85R
8
1-
IC3302
TA75S01F85L
R3379
1800/J6
R3378
*PAT/J6
D3303
MA152K-TX
QR3302
MRN1404TE85R
R3421
75K/J6
C3359
470P/UN
R3419
680K/J6
C3358
0.15
ECQV1H154JL3
C3360
560P/UN
R3420
10K/J6
C3361
0.33
ECQV1H334JL3
C3362
6V47/EVV
C3363
0.01/UBN
IC3307
NJM78L05UAT1
OUT GND IN
+12V
C3369
1/UFN
IC3304
AN3296S
R3418
1000/J6
Q3328
MSD601-RT2
2200/J6
R3416
68K/J6
C3357
25V4R7/EVV
R3417
330/J6
C3355
560P/UN
C3356
6V33/EVV
C3372
1500P/UBN
R3429
100K/J6
D3304
MA152K-TX
R3423
10K/J6
R3425
15K/J6
C3367
0.1/UBN
R3426
6800/J6
R3427
10K/J6
C3365
0.22/UBM
C3366
50VR47/EVV
D3305
*PAT
(6) SIG_DET2_L
C3364
3900P
ECHU1C392GB5
R3424
47K/RE
C3368
0.01/UBN
R3428
1000/J6
(6) HD_SYNC
(6) SYNC_NC
(6) Y_OUT

*PAT=PATTERN ONLY

VIDEO I/O (3)

REF. NO.	IC3301																			
MODE	1	2	3	4	5	6	7	8												
PLAY	2.9	2.3	0	3.2	3.2	4.7	2.3	3.0												
REC	3.5	2.8	0	3.2	3.2	4.7	2.8	3.5												
REF. NO.	IC3302																			
MODE	1	2	3	4	5															
PLAY	0.8	0	0.8	0.8	4.9															
REC	0.7	0	0.7	0.7	4.9															
REF. NO.	IC3303																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0.8	0	0	0	5.1	0.8	0	4.9												
REC	0.7	0	0	0	0	0	0.7	4.9												
REF. NO.	IC3304																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	3.3	4.0	3.0	0.1	2.8	0	2.9	2.2	4.9	4.7	0.6	0	1.3	3.8	3.4				
REC	0	3.3	4.0	3.0	0.1	2.8	-0.2	2.9	2.2	4.9	4.7	0.6	0	1.2	3.8	3.4				
REF. NO.	IC3305																			
MODE	1	2	3	4	5	6	7	8												
PLAY	2.2	0	2.3	0	1.8	4.5	1.5	0												
REC	1.7	0	1.8	3.4	2.1	4.5	1.4	0												
REF. NO.	IC3306								IC3307											
MODE	1	2	3	4	5	6	7	8	1	2	3									
PLAY	2.6	3.5	1.8	0	1.6	3.4	2.6	4.5	4.9	0	11.5									
REC	2.6	3.5	1.8	0	1.5	3.4	2.6	4.5	4.9	0	11.4									
REF. NO.	QR3301					QR3303			QR3302											
MODE	1	2	3	4	5	E	C	B	E	C	B									
PLAY	1.0	0	0.6	0	0.1	0	0	5.1	0	0	5.1									
REC	1.0	0	0.6	0	0.1	0	3.4	0	0	1.5	0									
REF. NO.	Q3301			Q3302			Q3303			Q3304			Q3305			Q3306				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	G	S	D	E	C	B		
PLAY	0.1	4.7	0.7	-0.5	4.7	0	0.8	4.7	1.4	1.3	3.3	2.0	2.0	0	1.3	1.5	4.7	2.1		
REC	-0.2	4.7	0.3	-0.7	4.7	0	0.8	4.7	1.4	1.1	3.5	1.9	1.9	0	1.2	1.3	4.7	1.9		
REF. NO.	Q3307			Q3308			Q3309			Q3310			Q3311			Q3312				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	1.7	3.3	2.4	2.7	4.7	3.3	1.3	3.0	2.0	1.5	3.0	2.3	0.9	0	0	1.0	3.6	1.8		
REC	1.6	3.1	2.4	2.5	4.7	3.1	1.1	3.2	1.9	1.5	3.0	2.2	0.9	4.7	1.5	1.0	3.6	1.7		
REF. NO.	Q3313			Q3314			Q3315			Q3316			Q3317			Q3319				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	1.0	3.6	1.8	2.9	4.7	3.6	0	0	0	3.4	0.8	2.7	0.1	2.4	0.8	0	3.6	2.0		
REC	1.0	3.6	1.7	2.9	0	3.6	0	0	0	3.2	0.9	2.5	0.2	1.9	0.9	1.3	3.6	2.0		
REF. NO.	Q3320			Q3321			Q3322			Q3323			Q3324			Q3325				
MODE	E	C	B	E	C	B	E	C	B	G	S	D	E	C	B	E	C	B		
PLAY	4.4	2.3	3.7	1.6	4.5	2.3	0	0	0.6	-2.4	2.2	-1.7	0.9	4.5	1.5	0.9	4.5	1.5		
REC	4.3	2.4	3.6	1.6	4.5	2.4	0	0	0.6	-2.4	2.2	-1.7	0.8	4.5	1.4	0.8	4.5	1.4		
REF. NO.	Q3326			Q3327			Q3328			Q3329			Q3330			Q3331				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	0.9	4.5	1.5	2.6	4.5	2.6	2.0	4.5	2.6	1.8	4.5	2.4	1.5	0	0.9	2.5	0	1.8		
REC	0.8	4.5	1.4	2.5	4.5	2.6	1.9	4.5	2.5	1.3	4.5	1.9	1.7	0	1.1	2.4	0	1.8		
REF. NO.	Q3332			Q3333			Q3334			Q3335			Q3336			Q3337				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	2.2	0	1.6	2.0	0	1.2	2.0	4.7	2.4	1.3	3.3	2.1	2.1	0	1.4	-1.8	-4.8	-2.4		
REC	2.2	1.5	0	2.0	0	1.2	1.9	4.7	2.4	1.1	3.4	1.9	1.9	0	1.2	-1.8	-4.8	-2.4		

EMATIC DIAGRAM 4/7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Q3603
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Q3606
Q3607
Q3608
Q3609
Q3610
Q3611
Q3612
IC3601
IC3602
R3601
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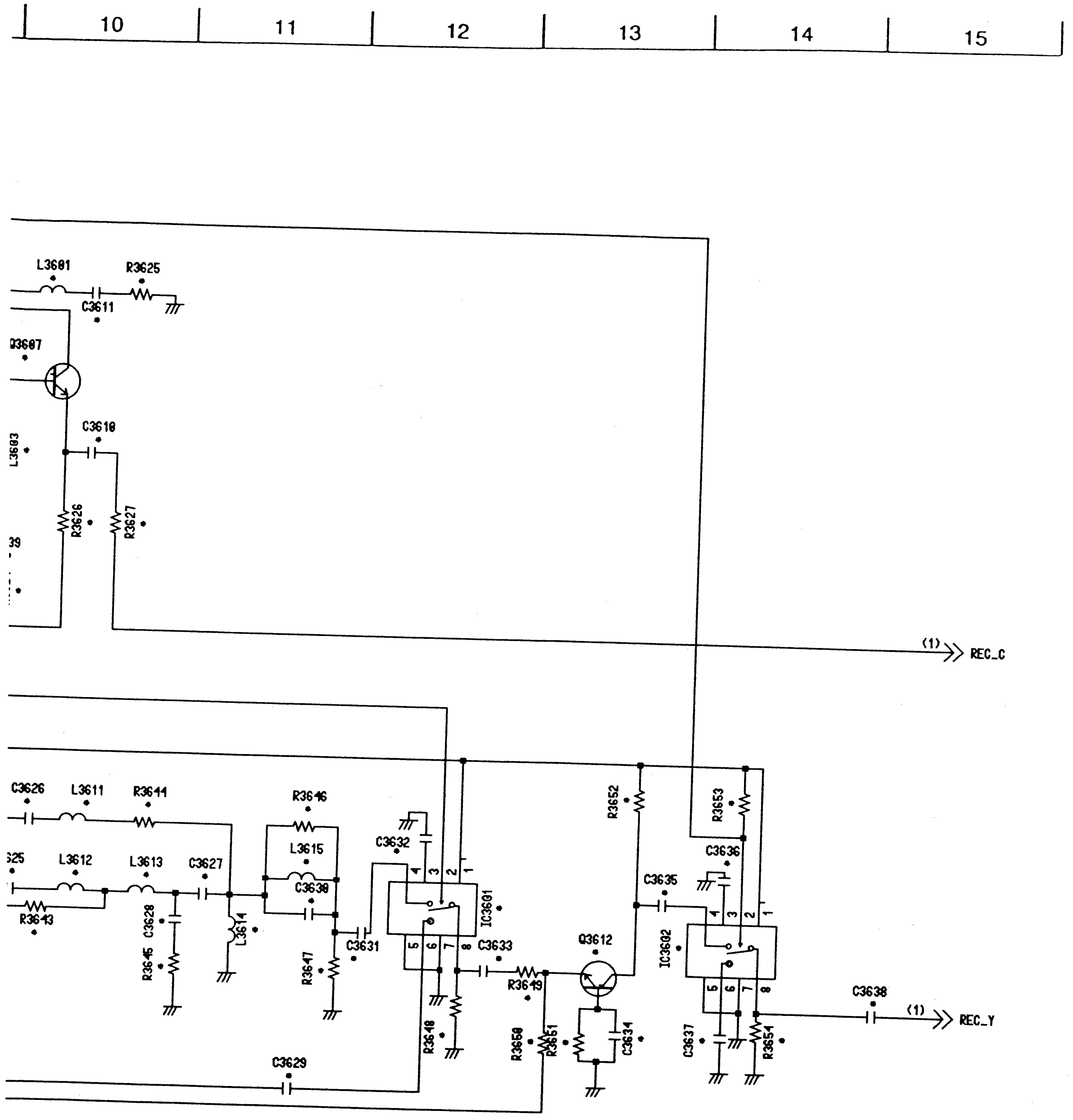
L3611
L3612
L3613
L3614
L3615
VR3601
V.REC.Y
V.REC.Y
TEST 8
TP3601
TP3602
(1) REC_C
(1) REC_Y

VIDEO

REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
PLAY
REC

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.3600 Series.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L3601
R3625
C3611
Q3607
C3610
L3603
R3626
R3627
39
(1)
REC_C
C3626
L3611
R3644
R3646
L3615
C3630
C3632
IC3601
R3652
R3653
C3636
C3635
IC3602
Q3612
525
L3612
L3613
C3627
R3643
C3628
R3645
L3614
R3647
C3631
C3633
R3649
R3648
R3650
R3651
C3634
C3637
R3654
C3638
(1)
REC_Y
C3629
1
2
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4
5
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7
8

VIDEO I/O (4)

REF. NO. / MODE	Q3601			Q3602			Q3603			Q3604			Q3605			Q3606				
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	-0.7	4.7	0	-0.9	4.7	-0.3	0	0	0.5	0	4.7	0	0.6	0	0	-2.9	0.8	-2.2		
REC	-0.7	4.7	0	-0.9	4.7	-0.3	0	1.8	0	1.1	3.5	1.8	1.8	0	1.1	-2.9	0.9	-2.2		

REF. NO. / MODE	Q3607			Q3608			Q3609			Q3610			Q3611			Q3612				
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	0.2	4.7	0.8	-0.6	4.7	0	-0.6	4.7	0	-1.2	4.7	-0.6	-0.6	4.7	0	-0.8	1.4	0		
REC	0.1	4.7	0.8	-0.4	4.7	0	-0.6	4.7	0	-1.2	4.7	-0.6	-0.6	4.7	0	-0.8	1.4	0		

REF. NO. / MODE	IC3601																			
	1	2	3	4	5	6	7	8												
PLAY	4.7	0.4	2.3	2.4	0	2.4	0	2.3												
REC	4.7	0.4	2.3	2.4	0	2.4	0	2.3												

REF. NO. / MODE	IC3602																			
	1	2	3	4	5	6	7	8												
PLAY	4.7	3.6	2.3	2.4	0	2.3	0	2.3												
REC	4.7	0	2.3	2.4	0	2.4	0	2.3												

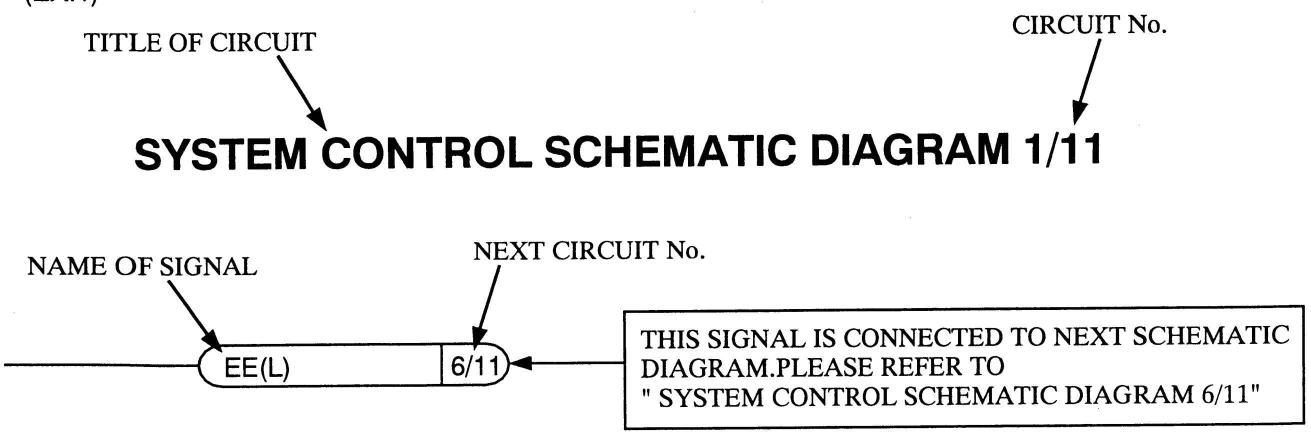
*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.3600 Series.

SECTION 6

SCHEMATIC DIAGRAMS

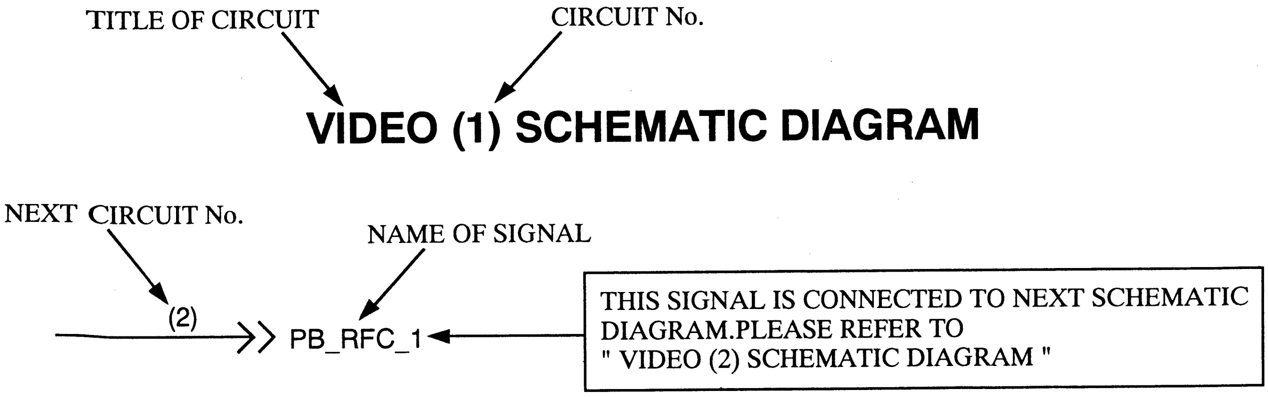
NOTE

(EX.1)


TITLE OF CIRCUIT
CIRCUIT No.
SYSTEM CONTROL SCHEMATIC DIAGRAM 1/11
NAME OF SIGNAL
NEXT CIRCUIT No.
EE(L)
6/11

THIS SIGNAL IS CONNECTED TO NEXT SCHEMATIC DIAGRAM.PLEASE REFER TO " SYSTEM CONTROL SCHEMATIC DIAGRAM 6/11"

(EX. 2)


TITLE OF CIRCUIT
CIRCUIT No.
VIDEO (1) SCHEMATIC DIAGRAM
NEXT CIRCUIT No.
NAME OF SIGNAL
(2)
PB_RFC_1

THIS SIGNAL IS CONNECTED TO NEXT SCHEMATIC DIAGRAM.PLEASE REFER TO " VIDEO (2) SCHEMATIC DIAGRAM "

∗ mark → Parts value, see table in the schematic diagram

(EX.)

REF	AG-DS555
R3655	10K
R3656	∗ PAT

10 kΩ

No part

CONTENTS

POWER CONNECT SCHEMATIC DIAGRAM SCM-5

POWER 1 SCHEMATIC DIAGRAM
AND POWER 2 SCHEMATIC DIAGRAM SCM-5

SYSTEM CONTROL SCHEMATIC DIAGRAM SCM-6

SUB SYSTEM CONTROL SCHEMATIC DIAGRAM SCM-7

REEL SERVO SCHEMATIC DIAGRAM SCM-8

CYL SERVO SCHEMATIC DIAGRAM SCM-9

CTL AMP SCHEMATIC DIAGRAM SCM-10

WIDE SCHEMATIC DIAGRAM SCM-11

CAPSTAN SERVO (1) SCHEMATIC DIAGRAM SCM-12

CAPSTAN SERVO (2) SCHEMATIC DIAGRAM SCM-13

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SUB POWER SCHEMATIC DIAGRAM SCM-16

VIDEO I/O (1) SCHEMATIC DIAGRAM SCM-17

VIDEO I/O (2) SCHEMATIC DIAGRAM SCM-18

VIDEO I/O (3) SCHEMATIC DIAGRAM SCM-19

VIDEO I/O (4) SCHEMATIC DIAGRAM SCM-20

VIDEO I/O (5) SCHEMATIC DIAGRAM SCM-21

VIDEO I/O (6) SCHEMATIC DIAGRAM SCM-22

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INTERFACE (3) SCHEMATIC DIAGRAM SCM-41

INTERFACE (4) SCHEMATIC DIAGRAM SCM-42

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C MEMORY SCHEMATIC DIAGRAM SCM-54
G.A. BLOCK SCHEMATIC DIAGRAM SCM-55
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TBC 1 CONNECTION SCHEMATIC DIAGRAM SCM-57
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CONNECT SCHEMATIC DIAGRAM

⚠ 警 告

AC100Vの加わっている活電部（充電部、活電部）に直接触れないでください。

感電注意

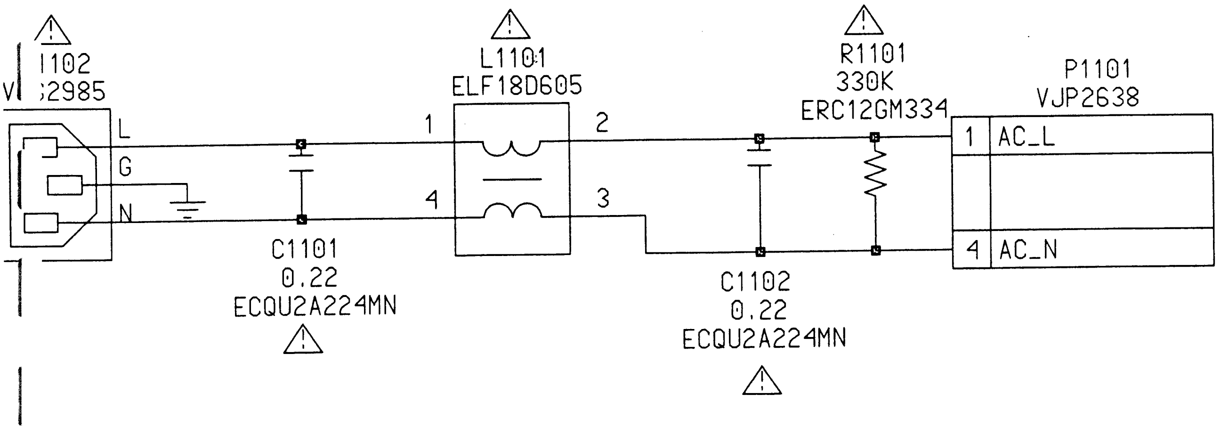
☞ 感電ややけどの可能性があります。

① ⚠警 告 ⚠ 印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

② 部品交換時には、電源プラグをぬいてから行ってください。

③ 部品品番は、部品価格表で確認の上交換ください。

日本国内モデルのみ・JAPAN MODEL ONLY



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1102
2985
L
G
N
⚠
L1101
ELF18D605
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⚠
R1101
330K
ERC12GM334
P1101
VJP2638
1 AC_L
4 AC_N
C1101
0.22
ECQU2A224MN
⚠
C1102
0.22
ECQU2A224MN
⚠

Ref No.1100 Series

OWER 1 SCHEMATIC DIAGRAM AND POWER 2 HEMATIC DIAGRAM 注意文

日本国内モデルのみ・JAPAN MODEL ONLY

⚠ 警 告

AC100Vの加わっている活電部（充電部、活電部）に直接触れないでください。

注意

☞ 感電ややけどの可能性があります。

① ⚠警 告 ⚠ 印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

② ┌----┐内は充電部です。ＡＣ100Ｖが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

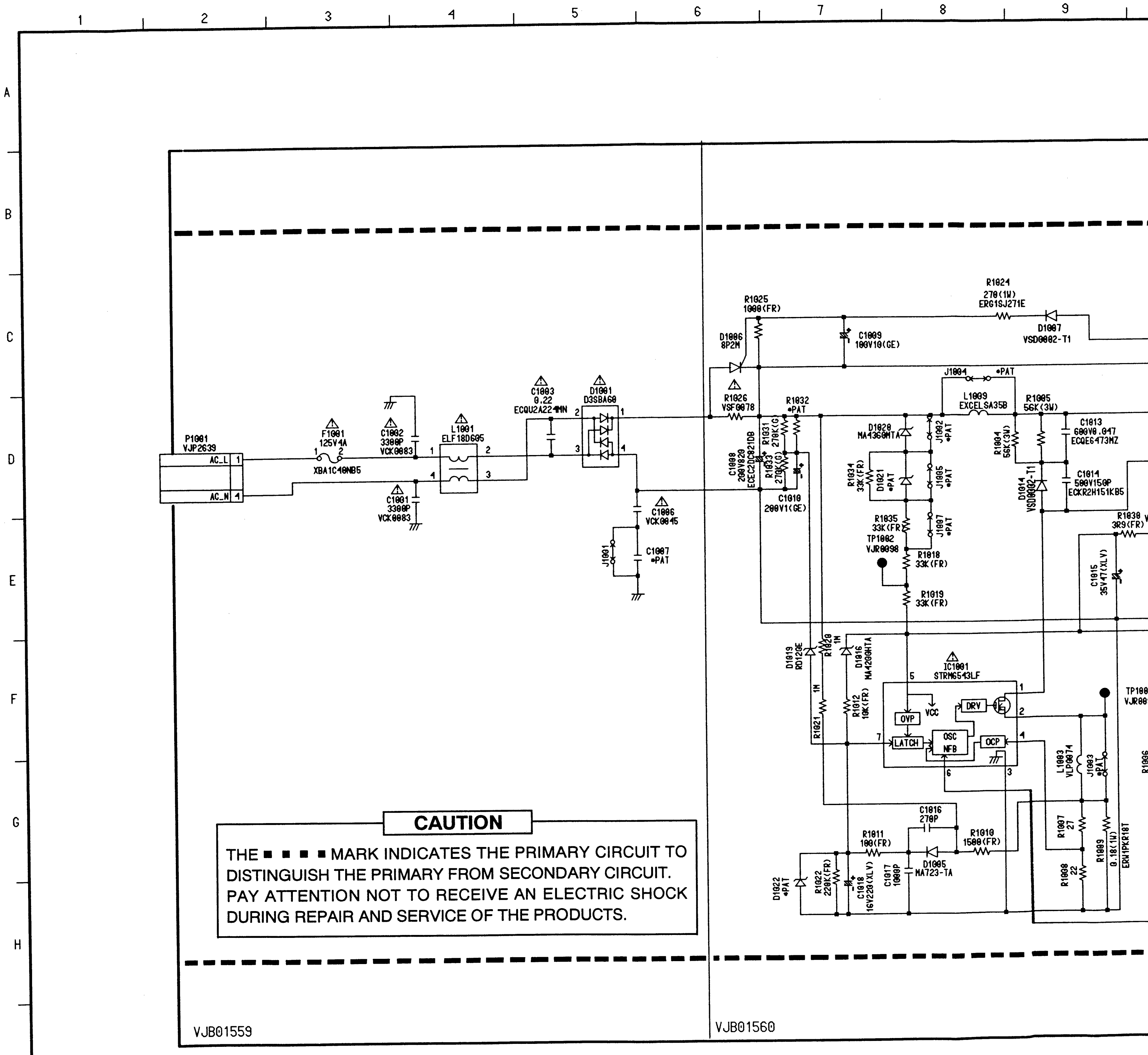
③ 部品交換時には、電源プラグをぬいてから行ってください。

④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

POWER 1 SCHEMATIC DIAGRAM AND POWER 2 SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTI
COMPONENTS IDENTIFIED
CHARACTERISTICS FOR S
WHEN REPLACING ANY OI



CAUTION

THE ■ ■ ■ ■ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

1
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A
B
C
D
E
F
G
H
I
J
P1001
VJP2639
AC_L 1
AC_N 4
⚠
F1001
125V4A
XBA1C40NB5
⚠
C1002
3300P
VCK0083
⚠
C1001
3300P
VCK0083
⚠
L1001
ELF18D605
⚠
C1003
0.22
ECQU2A224MN
⚠
D1001
D3SBA60
⚠
C1006
VCK0045
J1001
C1007
*PAT
R1025
1000(FR)
D1006
8P2M
C1009
100V10(GE)
R1024
270(1W)
ERG1SJ271E
D1007
VSD0002-T1
⚠
R1026
VSF0078
R1032
*PAT
C1008
200V820
ECEC2DC821DB
R1031
270K(G)
R1033
270K(G)
C1010
200V1(GE)
J1004
*PAT
L1009
EXCELSA35B
R1005
56K(3W)
D1020
MA4360HTA
J1002
*PAT
R1034
33K(FR)
D1021
*PAT
J1005
*PAT
R1035
33K(FR)
TP1002
VJR0098
J1007
*PAT
R1018
33K(FR)
R1019
33K(FR)
R1004
56K(3W)
D1014
VSD0002-T1
C1013
600V0.047
ECQE6473MZ
C1014
500V150P
ECKR2H151KB5
R1030
3R9(FR)
C1015
35V47(XLV)
D1019
RD12GE
R1020
1M
D1016
MA4200HTA
R1021
1M
R1012
10K(FR)
⚠
IC1001
STRM6543LF
OVP
VCC
LATCH
OSC
NFB
DRV
OCP
TP100
VJR00
L1003
VLP0074
J1003
*PAT
C1016
270P
R1011
100(FR)
R1010
1500(FR)
D1005
MA723-TA
D1022
*PAT
R1022
220K(FR)
C1018
16V220(XLV)
C1017
1000P
R1007
27
R1008
22
R1009
0.18(1W)
ERW1PKR18T
R1006
VJB01559
VJB01560

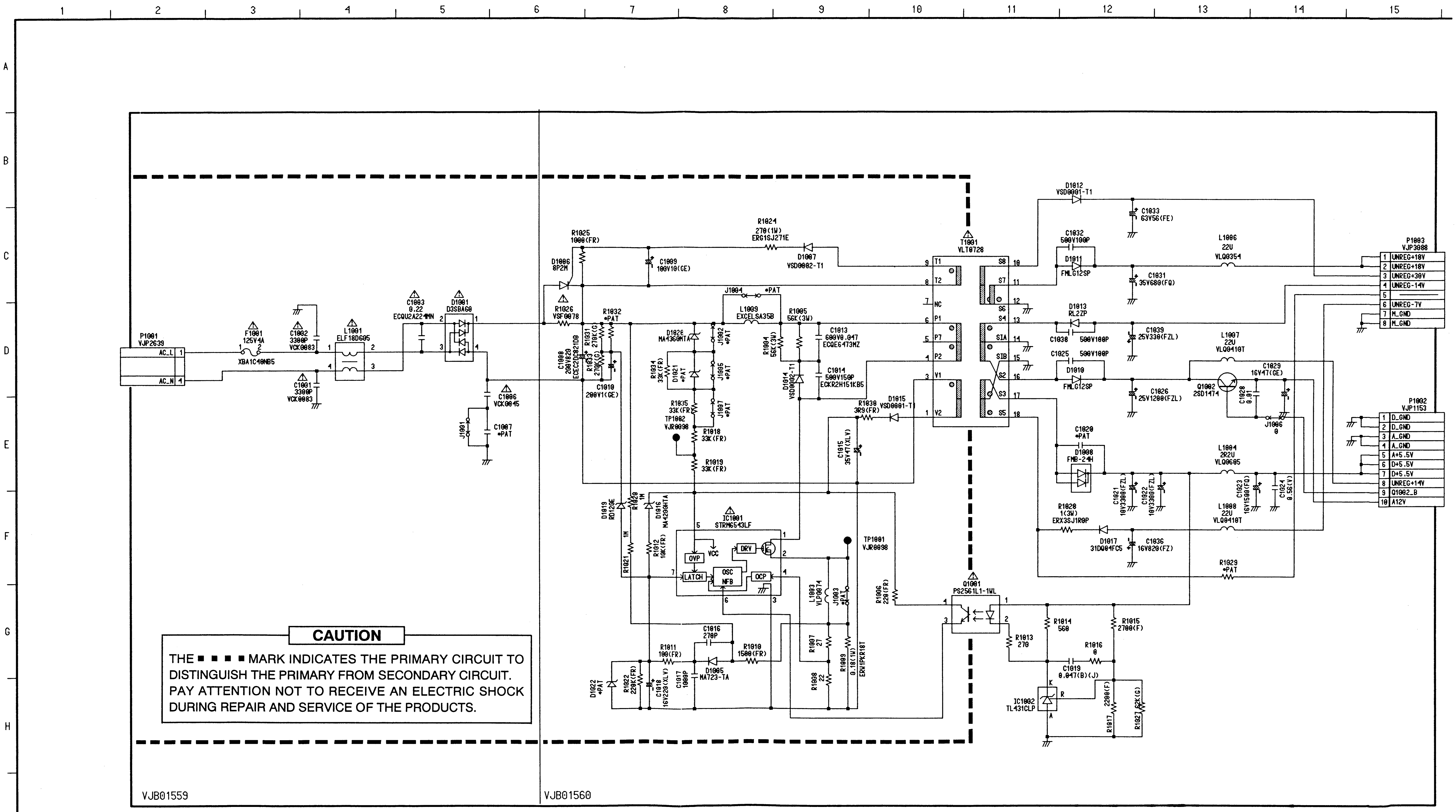
POWER 1,2

Ref. No. / Mode	IC1001							IC1002			Q1001				Q1002					
	1	2	3	4	5	6	7	K	R	A	1	2	3	4	E	C	B			
STOP	-86.7	-0.1	-0.2	-0.2	14.9	0.2	0.1	4.3	2.3	-0.2	5.4	4.4	0.2	14.9	11.6	13.4	12.2			
REC	-100.8	-0.1	-0.2	-0.2	15.2	0.2	0.1	4.3	2.3	-0.2	5.4	4.4	0.2	15.1	11.3	13.2	12.2			

POWER 1 SCHEMATIC DIAGRAM AND POWER 2 SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE :
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

⚠警告 ⚠ 印の部品は、安全上重要な部品です。交換するときは、安全及び性能維持のため必ず指定の部品をご使用ください。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D
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G
H
I
P1001
VJP2639
AC_L
AC_N
F1001
125V4A
XBA1C40NB5
C1002
3300P
VCK0083
C1001
3300P
VCK0083
L1001
ELF18D605
C1003
0.22
ECQU2A224MN
D1001
D3SBA60
C1006
VCK0045
C1007
*PAT
J1001
D1006
8P2M
R1025
1000(FR)
R1026
VSF0078
C1008
200V820
ECEC2DC821DB
R1031
270K(G)
R1033
270K(G)
R1032
*PAT
C1010
200V1(GE)
C1009
100V10(GE)
R1024
270(1W)
ERG1SJ271E
D1007
VSD0002-T1
J1004
*PAT
L1009
EXCELSA35B
D1020
MA4360HTA
R1034
33K(FR)
D1021
*PAT
J1002
*PAT
J1005
*PAT
J1007
*PAT
R1035
33K(FR)
TP1002
VJR0098
R1018
33K(FR)
R1019
33K(FR)
R1005
56K(3W)
R1004
56K(3W)
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ECQE6473MZ
C1014
500V150P
ECKR2H151KB5
D1014
VSD0002-T1
R1030
3R9(FR)
D1015
VSD0001-T1
C1015
35V47(XLV)
T1001
VLT0728
T1
T2
NC
P1
P7
P2
V1
V2
S8
S7
S6
S4
SIA
SIB
S2
S3
S5
D1019
RD120E
R1020
1M
D1016
MA4200HTA
R1021
1M
R1012
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VCC
OVP
DRV
LATCH
OSC
NFB
OCP
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L1003
VLP0074
J1003
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R1006
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C1016
270P
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100(FR)
R1010
1500(FR)
D1005
MA723-TA
D1022
*PAT
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220K(FR)
C1018
16V220(XLV)
C1017
1000P
R1007
27
R1008
22
R1009
0.18(1W)
ERW1PKR18T
D1012
VSD0001-T1
C1033
63V56(FE)
C1032
500V100P
D1011
FMLG12SP
C1031
35V680(FQ)
L1006
22U
VLQ0354
D1013
RL2ZP
C1038
500V100P
C1039
25V330(FZL)
C1025
500V100P
D1010
FMLG12SP
C1026
25V1200(FZL)
L1007
22U
VLQ0410T
Q1002
2SD1474
C1028
0.01
C1029
16V47(GE)
J1006
0
P1003
VJP3088
UNREG+18V
UNREG+18V
UNREG+30V
UNREG-14V
UNREG-7V
M_GND
M_GND
C1020
*PAT
D1008
FMB-24H
C1021
10V3300(FZL)
C1022
10V3300(FZL)
L1004
2R2U
VLQ0605
C1023
16V1500(FQ)
C1024
0.56(V)
R1028
1(3W)
ERX3SJ1R0P
D1017
31DQ04FC5
C1036
16V820(FZ)
L1008
22U
VLQ0410T
R1029
*PAT
P1002
VJP1153
D_GND
D_GND
A_GND
A_GND
A+5.5V
D+5.5V
D+5.5V
UNREG+14V
Q1002_B
A12V
Q1001
PS2561L1-1WL
R1014
560
R1015
2700(F)
R1013
270
R1016
0
C1019
0.047(B)(J)
IC1002
TL431CLP
K
R
A
R1017
2200(F)
R1027
62K(G)
VJB01559
VJB01560

CAUTION

THE ■ ■ ■ ■ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

POWER 1,2

Ref. No. / Mode	IC1001							IC1002			Q1001				Q1002					
	1	2	3	4	5	6	7	K	R	A	1	2	3	4	E	C	B			
STOP	-86.7	-0.1	-0.2	-0.2	14.9	0.2	0.1	4.3	2.3	-0.2	5.4	4.4	0.2	14.9	11.6	13.4	12.2			
REC	-100.8	-0.1	-0.2	-0.2	15.2	0.2	0.1	4.3	2.3	-0.2	5.4	4.4	0.2	15.1	11.3	13.2	12.2			

*=REFER TO THE COMPARISON CHART

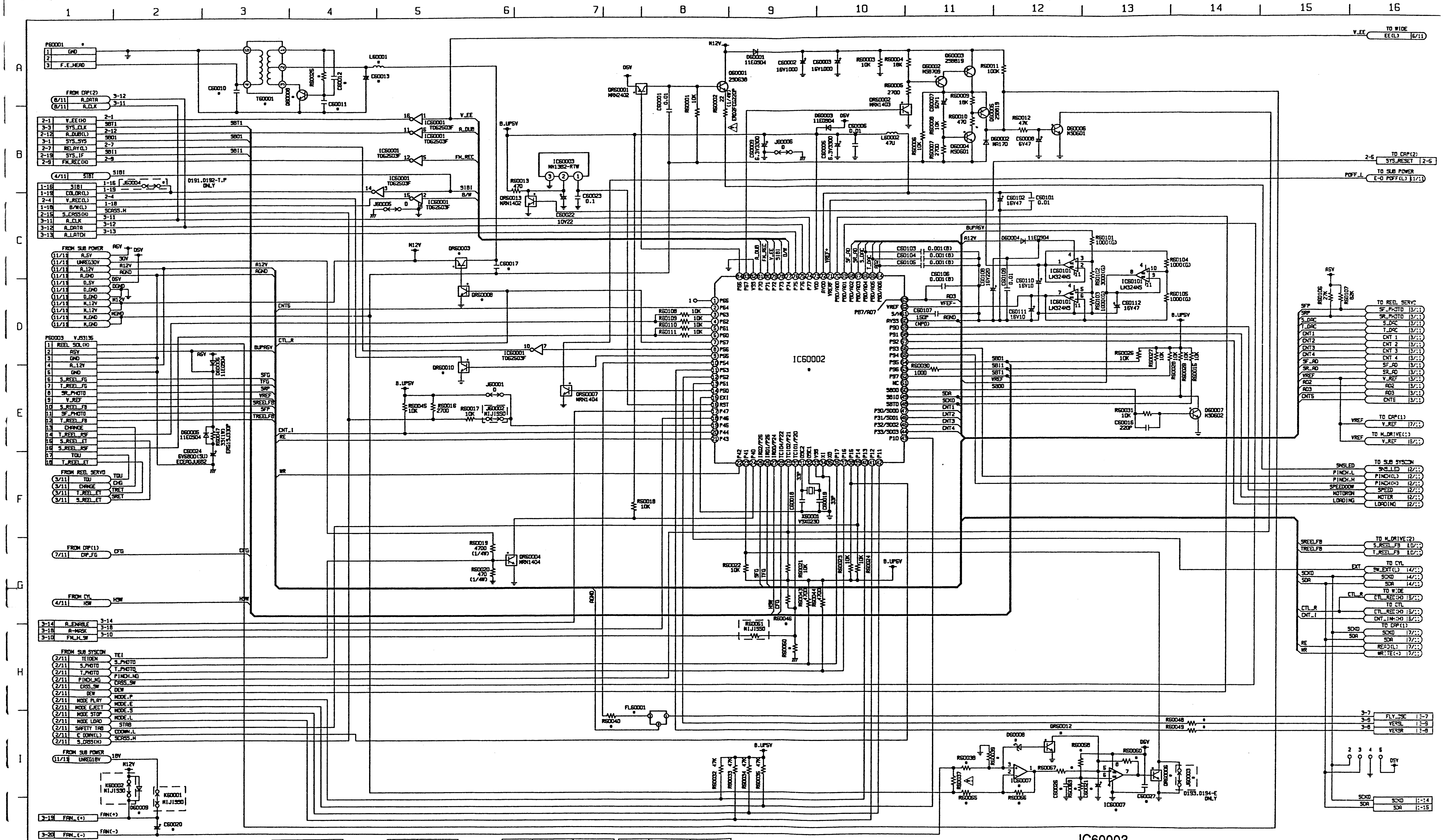
Ref No.1000 Series

SYSTEM CONTROL SCHEMATIC DIAGRAM 1/11

IMPORTANT SAFETY NOTICE :
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

⚠ 警 告

⚠ 印の部品は、安全上重要な部品です。交換するときは、
安全及び性能維持のため必ず指定の部品をご使用ください。

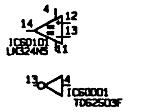

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K
IC60002
IC60001 TD62503F
IC60003 MN1382-RTW
IC60101 LM324NS
IC60007
P60001
P60003 VJ5313S
FROM CRP(2)
FROM SUB POWER
FROM REEL SERVO
FROM CRP(1)
FROM CYL
FROM SUB SYSCON
TO WIDE
TO CRP(2)
TO SUB POWER
TO REEL SERVO
TO CRP(1)
TO M_DRIVE(1)
TO SUB SYSCON
TO M_DRIVE(2)
TO CYL
TO CTL
X60001 VSX0230
FL60001
T60001
L60001
L60002 47U
D191.D192-T.P ONLY
D193.D194-E ONLY
GND
F.E_HEAD
V_EE
SYS_RESET
E-O POFF(L)
V_REF
FLY_OSC
YERSL
YERSR
SCKO
SDA
FAN_(+)
FAN_(-)

REF	DS555/DS545
C60020	50V1
C60021	50V4.7
C60026	0.1
C60027	0.01
D60008	MA3043-M
D60009	11ES1
IC60007	LM358PS-R
QR60006	MRN1404
QR60012	UN2219
R60037	4.7 (1/4W)
R60038	10K
R60039	47K

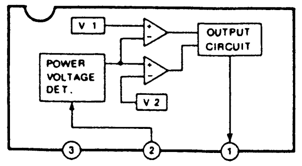
REF	DS555/DS545
R60055	10K
R60056	47K
R60057	8200
R60058	39K
R60059	10K
R60060	680K
IC60002	MN188166VCTC
J6003	—
J6004	0
R60046	0
R60050	—

REF	DS555	DS545
C60010	0.033	—
C60011	0.0047 (B) (J)	—
C60012	0.01 (B) (J)	—
C60013	16V10	—
C60017	0.01	—
FL60001	VLF0630	—
L60001	470u	—
P60001	VJP1230T	—
Q60008	2SD636	—
QR60003	MRN2402	—
QR60008	MRN1404	—
QR60010	MRN1404	—

REF	DS555	DS545
R60025	33K (1/4W)	—
R60040	100	—
R60048	100	—
R60049	100	—
T60001	EIQ7OF002B	—


IC60101 LM324NS
IC60001 TD62503F
14
4
11
12
13
13

IC60003
MN1382-RTW


V1
V2
POWER VOLTAGE DET.
OUTPUT CIRCUIT
3
2
1

=INPUT SIGNAL
=OUTPUT SIGNAL
*=REFER TO THE COMPARISON CHART
Ref No.60000 Series.

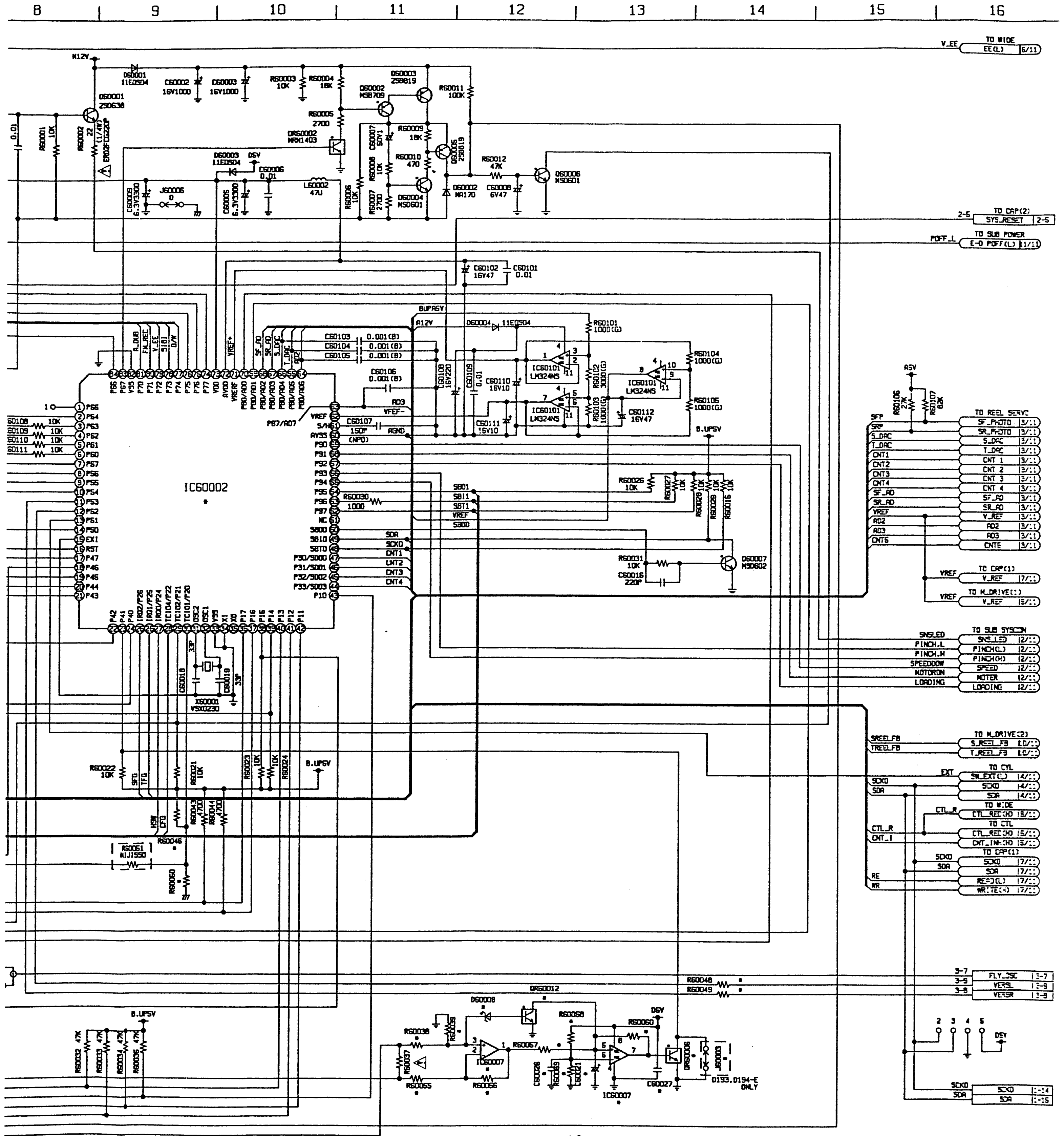
SYST

REF. N
MODE
STOP
REC
FF
REF. N
MODE
STOP
REC
FF
REF. N
MODE
STOP
REC
FF
REF. N
MODE
STOP
REC
FF
REF. N
MODE
STOP
REC
FF
REF. N
MODE
STOP
REC
FF
REF. N
MODE
STOP
REC
FF
REF. N
MODE
STOP
REC
FF
REF. N
MODE
STOP
REC
FF
REF. I
MODE
STOP
REC
FF
REF. I
MODE
STOP
REC
FF

ETY NOTICE :
ENTIFIED WITH THE MARK ⚠HAVE THE SPECIAL
CS FOR SAFETY.
G ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

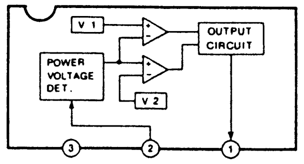
⚠ 警 告

⚠ 印の部品は、安全上重要な部品です。交換するときは、
安全及び性能維持のため必ず指定の部品をご使用ください。


8
9
10
11
12
13
14
15
16
IC60002
IC60101 LM324NS
IC60007
Q60001 2SD636
Q60002 MSB709
Q60003 2SB819
Q60004 MSD601
Q60005 2SB819
Q60006 MSD601
Q60007 MSD602
X60001 VSX0230
M12V
B.UPSV
TO WIDE EE(L) 6/11
TO CAP(2) SYS_RESET 2-6
TO SUB POWER E-O POFF(L) 11/11
TO REEL SERVO
SF_PHOTO
SR_PHOTO
S_DAC
T_DAC
CNT 1
CNT 2
CNT 3
CNT 4
SF_AD
SR_AD
V_REF
AD2
AD3
CNT5
TO CAP(1) V_REF
TO M_DRIVE(1) V_REF
TO SUB SYSCON
SNS_LED
PINCH(L)
PINCH(H)
SPEED
MOTER
LOADING
TO M_DRIVE(2)
S_REEL_FB
T_REEL_FB
TO CYL
SW_EXT(L)
SCKO
SDA
TO WIDE CTL_REC(H)
TO CTL CTL_REC(H)
CNT_INH(H)
TO CAP(1)
READ(L)
WRITE(H)
FLY_OSC
VERSL
VERSR
D193.D194-E ONLY

DS555	DS545
K (1/4W)	———
100	———
100	———
100	———
7OF002B	———

IC60003
MN1382-RTW

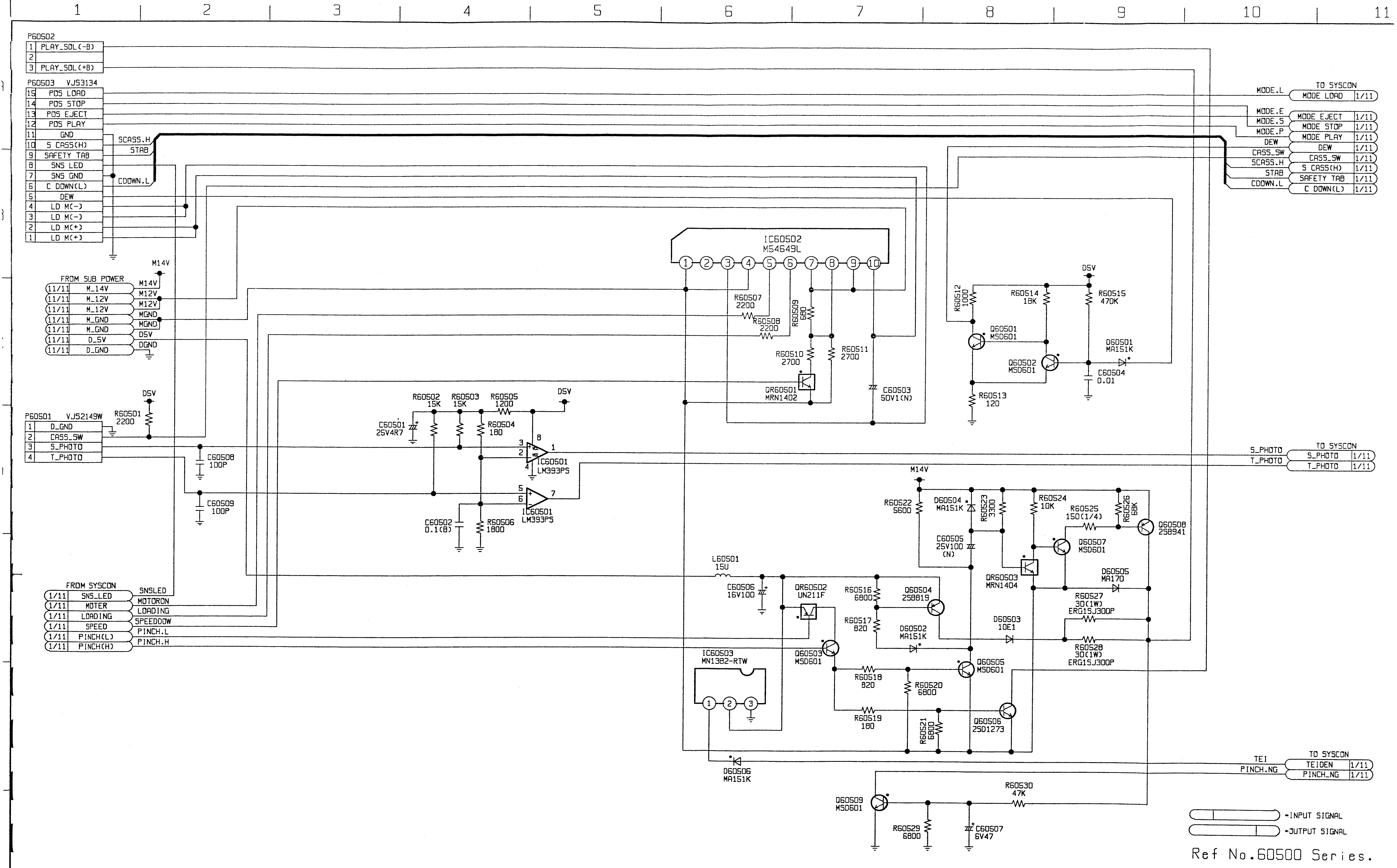

V 1
V 2
POWER VOLTAGE DET.
OUTPUT CIRCUIT
③
②
①

=INPUT SIGNAL
=OUTPUT SIGNAL
*=REFER TO THE COMPARISON CHART
Ref No.60000 Series.

SYSTEM CONTROL

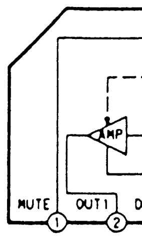
REF. NO.	IC60001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0	0.1	0	0	0	0	0	0	11.5	4.6	0.2	0.2	5.0	1.7	0				
REC	0	0	0.1	0	0	0	0	0	0	0	4.6	0.2	0.2	5.0	1.7	5.0				
FF	0	0	0.1	0	0	0	0	0	0	11.5	4.6	0.4	0.4	5.0	1.7	5.0				
REF. NO.	**IC60002**																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0.8	4.8	0	0	0	0	0	0	0	0	0	0	4.9	0	0	4.9	0	4.7	4.9	0
REC	0.8	4.8	0	0	0	0	4.8	4.7	4.8	0	3.2	3.2	4.9	0	0	4.9	0	4.7	4.9	0
FF	0.9	0	0	0	0	0	0	0	0	0	0	0	4.9	0	0	4.9	0	4.8	4.9	0
REF. NO.	**IC60002**																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	4.5	0	0	0.1	4.7	0.1	2.5	0	4.9	4.9	1.5	—	0	0	4.8	4.9	4.9	0	0	0
REC	4.5	0	0	0	2.8	2.3	2.6	2.5	4.9	4.9	1.5	—	0	0	4.8	4.9	4.9	0	0	0
FF	4.6	0	0	0.1	2.5	2.2	2.6	5.2	0	0	0	—	0	0	4.9	4.9	4.9	0	0	4.9
REF. NO.	**IC60002**																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	4.8	4.8	4.8	4.8	0	4.8	0	5.0	4.6	0.2	0.3	4.7	4.5	4.9	4.8	0	0	0	0	0
REC	4.8	4.8	4.8	4.8	0	4.8	0	5.0	4.6	0.2	0.2	4.8	4.5	4.9	4.8	0	0	0	0	0
FF	4.9	0	4.9	4.9	4.9	4.9	4.9	5.0	4.7	0.2	0.2	4.8	4.5	4.9	0	4.9	0	0	0	0
REF. NO.	**IC60002**																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	1.1	0.9	1.6	2.3	2.3	2.5	4.6	2.4	2.6	0.6	3.8	4.8	4.8	4.7	0.5	4.2	0	0.1	0	0
REC	1.1	0.9	1.0	2.3	2.3	2.5	4.6	2.4	2.6	0.6	3.8	4.9	4.9	4.8	0.5	4.3	0	0.1	0	0
FF	0.7	0.9	1.0	3.7	3.1	0	0.6	0.2	2.6	0.6	3.8	4.9	4.9	4.9	0.5	1.3	0	0.1	0	0
REF. NO.	**IC60002**				**IC60003**			**IC60007**												
MODE	81	82	83	84	V	G	O	1	2	3	4	5	6	7	8					
STOP	0	0	0	4.5	4.9	0	4.9	1.6	0.3	0.3	0	1.6	1.1	4.0	5.1					
REC	0	0	0	4.5	4.8	0	4.8	1.5	0.3	0.3	0	1.6	1.1	4.0	5.1					
FF	0	0	0	4.6	4.9	0	4.9	1.5	0.3	0	0	1.6	1.1	4.0	5.2					
REF. NO.	**IC60101**																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	3.8	3.8	3.8	11.5	1.0	1.0	1.0	2.4	2.4	2.4	0	0.3	0.3	11.4						
REC	3.8	3.8	3.8	11.5	1.0	1.0	1.0	2.4	2.4	2.4	0	0.4	0.4	10.3						
FF	3.8	3.8	3.8	11.5	1.0	1.0	1.0	2.4	2.4	2.4	0	0.3	0.3	10.3						
REF. NO.	**Q60001**			**Q60002**			**Q60003**			**Q60004**			**Q60005**			**Q60006**				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	0.5	13.0	0.4	12.2	0	12.7	12.8	0	12.3	0	0	0	0	0.1	0	0	4.9	0.1		
REC	0.5	13.0	0.4	12.1	0	12.6	12.8	0	12.3	0	0	0	0	0	0	0	4.9	0		
FF	0.6	13.0	0.4	12.1	0	12.6	12.8	0	12.3	0	0	0	0	0	0	0	4.9	0		
REF. NO.	**Q60007**			**Q60008**																
MODE	E	C	B	E	C	B														
STOP	0	4.6	0.1	0	0.1	0.1														
REC	0	4.6	0.1	0	12.3	–0.7														
FF	0	4.6	0.2	0	0.2	0.2														
REF. NO.	**QR60001**			**QR60002**			**QR60003**			**QR60004**			**QR60006**			**QR60007**				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	5.2	0.4	4.5	0	12.6	0	12.8	0.2	12.8	0	0.1	2.9	0	0	4.0	0	5.3	0		
REC	5.1	0.4	4.5	0	12.6	0	12.8	12.7	0	0	0	0	0	0	4.0	0	5.3	0		
FF	5.2	0.4	4.6	0	12.6	0	12.8	0.3	12.8	0	0.1	2.9	0	0	4.0	0	5.3	0		
REF. NO.	**QR60008**			**QR60010**			**QR60013**			**QR60012**										
MODE	E	C	B	E	C	B	E	C	B	E	C	B								
STOP	0	13.0	0	0	3.7	0	0	4.8	0	0	1.6	0								
REC	0	0.1	4.8	0	0.1	4.9	0	4.8	0	0	1.6	0								
FF	0	13.0	0	0	3.7	0	0	4.9	0	0	1.6	0								

B SYSTEM CONTROL SCHEMATIC DIAGRAM 2/11


1
2
3
4
5
6
7
8
9
10
11
P60502
1 PLAY_SOL(-B)
2
3 PLAY_SOL(+B)
P60503 VJS3134
15 POS LOAD
14 POS STOP
13 POS EJECT
12 POS PLAY
11 GND
10 S CASS(H)
9 SAFETY TAB
8 SNS LED
7 SNS GND
6 C DOWN(L)
5 DEW
4 LD M(-)
3 LD M(-)
2 LD M(+)
1 LD M(+)
SCASS.H
STAB
CDOWN.L
M14V
FROM SUB POWER
11/11 M_14V
11/11 M_12V
11/11 M_12V
11/11 M_GND
11/11 M_GND
11/11 D_5V
11/11 D_GND
M14V
M12V
M12V
MGND
MGND
D5V
DGND
D5V
P60501 VJS2149W
1 D_GND
2 CASS_SW
3 S_PHOTO
4 T_PHOTO
R60501 2200
C60508 100P
C60509 100P
FROM SYSCON
1/11 SNS_LED
1/11 MOTER
1/11 LOADING
1/11 SPEED
1/11 PINCH(L)
1/11 PINCH(H)
SNSLED
MOTORON
LOADING
SPEEDDOW
PINCH.L
PINCH.H
R60502 15K
R60503 15K
R60505 1200
D5V
C60501 25V4R7
R60504 180
IC60501 LM393PS
C60502 0.1(B)
R60506 1800
IC60502 M54649L
R60507 2200
R60508 2200
R60509 680
R60510 2700
R60511 2700
QR60501 MRN1402
C60503 50V1(N)
D5V
R60512 1000
R60514 18K
R60515 470K
Q60501 MSD601
Q60502 MSD601
D60501 MA151K
C60504 0.01
R60513 120
TO SYSCON
MODE.L
MODE.E
MODE.S
MODE.P
DEW
CASS_SW
SCASS.H
STAB
CDOWN.L
MODE LOAD 1/11
MODE EJECT 1/11
MODE STOP 1/11
MODE PLAY 1/11
DEW 1/11
CASS_SW 1/11
S CASS(H) 1/11
SAFETY TAB 1/11
C DOWN(L) 1/11
S_PHOTO
T_PHOTO
S_PHOTO 1/11
T_PHOTO 1/11
M14V
R60522 5600
D60504 MA151K
R60523 3300
R60524 10K
R60525 150(1/4)
R60526 68K
Q60508 2SB941
C60505 25V100 (N)
Q60507 MSD601
QR60503 MRN1404
D60505 MA170
L60501 15U
C60506 16V100
QR60502 UN211F
R60516 6800
Q60504 2SB819
R60517 820
D60502 MA151K
R60527 30(1W) ERG1SJ300P
D60503 10E1
R60528 30(1W) ERG1SJ300P
IC60503 MN1382-RTW
Q60503 MSD601
R60518 820
R60520 6800
Q60505 MSD601
R60519 180
R60521 6800
Q60506 2SD1273
D60506 MA151K
TEI
PINCH.NG
TO SYSCON
TEIDEN 1/11
PINCH_NG 1/11
R60530 47K
Q60509 MSD601
R60529 6800
C60507 6V47
=INPUT SIGNAL
=OUTPUT SIGNAL

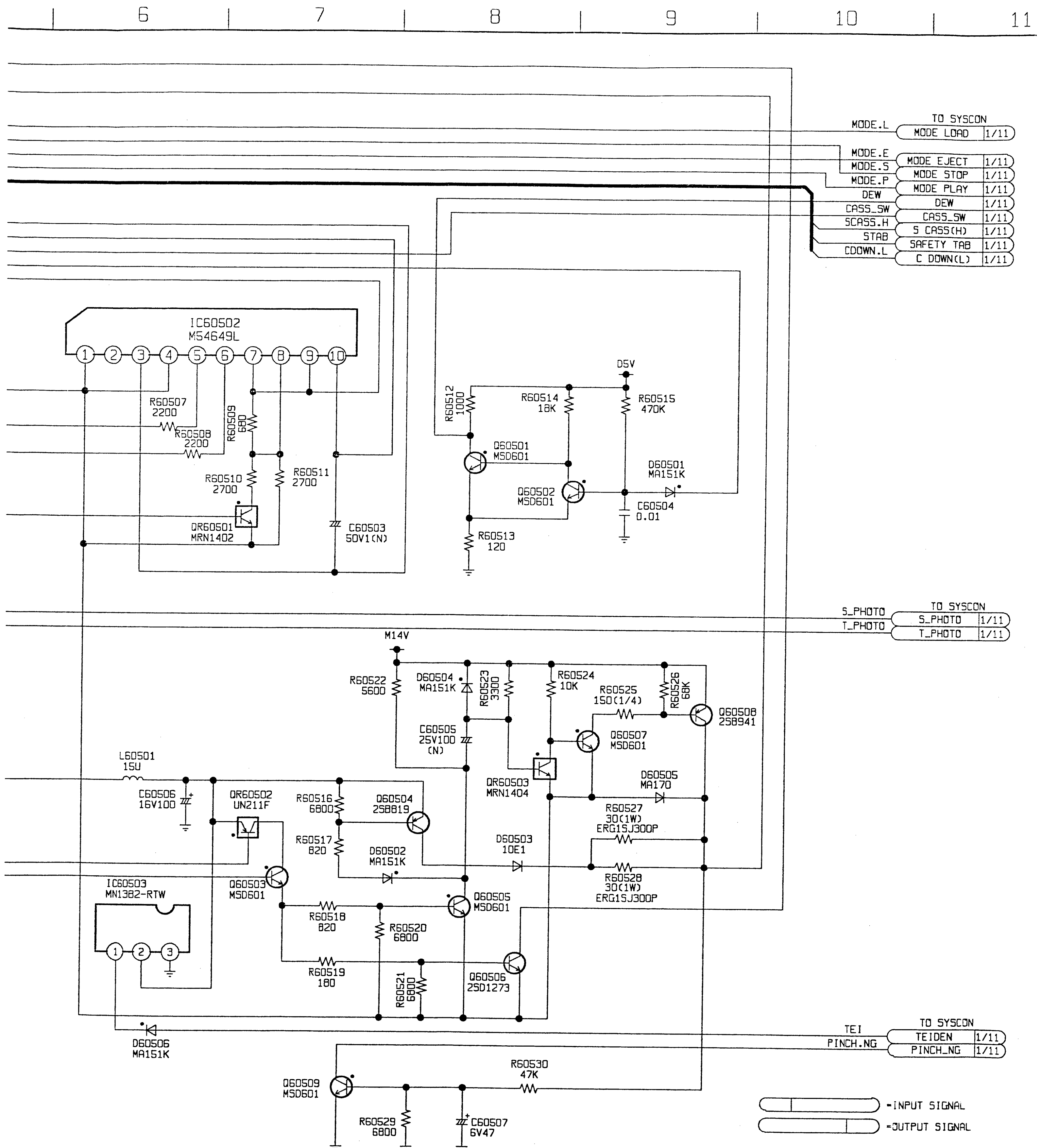
Ref No.60500 Series.

IC60502
M54649L


AMP
MUTE
OUT1
1
2

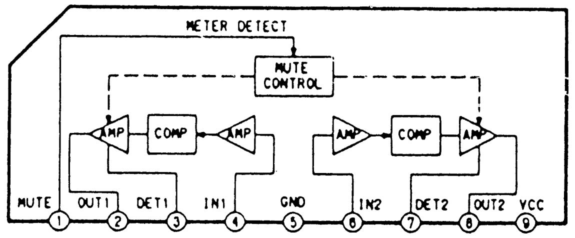
SUB SYS

REF. NO. / MODE	
STOP	4
REC	4
FF	4
REF. NO. / MODE	
STOP	0
REC	0
FF	0
REF. NO. / MODE	
STOP	
REC	
FF	
REF. NO. / MODE	
STOP	
REC	
FF	

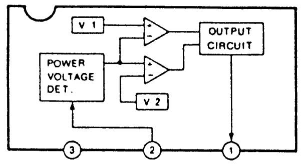

6
7
8
9
10
11
TO SYSCON
MODE.L
MODE LOAD
1/11
MODE.E
MODE EJECT
MODE.S
MODE STOP
MODE.P
MODE PLAY
DEW
CASS_SW
SCASS.H
S CASS(H)
STAB
SAFETY TAB
CDOWN.L
C DOWN(L)
IC60502
M54649L
R60507
2200
R60508
2200
R60509
680
R60510
2700
R60511
2700
QR60501
MRN1402
C60503
50V1(N)
R60512
1000
R60514
18K
D5V
R60515
470K
Q60501
MSD601
Q60502
MSD601
D60501
MA151K
C60504
0.01
R60513
120
S_PHOTO
T_PHOTO
M14V
R60522
5600
D60504
MA151K
R60523
3300
R60524
10K
R60525
150(1/4)
R60526
68K
Q60508
2SB941
C60505
25V100
(N)
Q60507
MSD601
QR60503
MRN1404
D60505
MA170
L60501
15U
C60506
16V100
QR60502
UN211F
R60516
6800
Q60504
2SB819
R60527
30(1W)
ERG1SJ300P
R60517
820
D60502
MA151K
D60503
10E1
R60528
30(1W)
ERG1SJ300P
IC60503
MN1382-RTW
Q60503
MSD601
R60518
820
R60520
6800
Q60505
MSD601
R60519
180
R60521
6800
Q60506
2SD1273
D60506
MA151K
TEI
TEIDEN
PINCH.NG
PINCH_NG
Q60509
MSD601
R60530
47K
R60529
6800
C60507
6V47
-INPUT SIGNAL
-OUTPUT SIGNAL

Ref No.60500 Series.

IC60502
M54649L


METER DETECT
MUTE CONTROL
AMP
COMP
AMP
AMP
COMP
AMP
MUTE
OUT1
DET1
IN1
GND
IN2
DET2
OUT2
VCC
1
2
3
4
5
6
7
8
9

IC60503
MN1382-RTW


V 1
V 2
POWER VOLTAGE DET.
OUTPUT CIRCUIT
3
2
1

SUB SYSTEM CONTROL

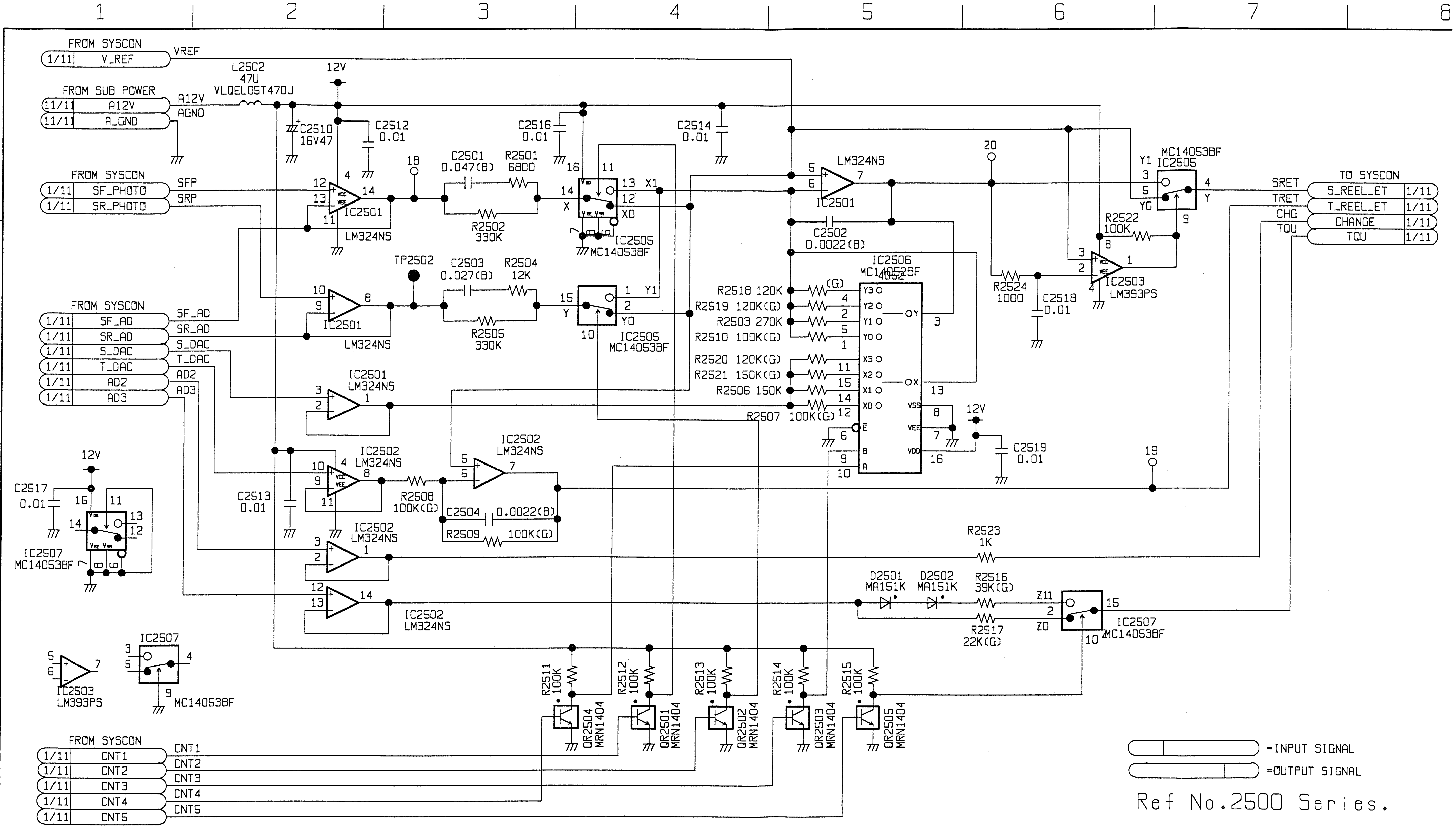
REF. NO. / MODE	IC60501								IC60502											
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	9	10		
STOP	4.9	2.9	3.2	0	3.2	2.9	4.9	5.1	0	0.2	0.2	0	0	0	12.9	10.3	12.9	0.2		
REC	4.8	2.9	3.2	0	3.2	2.9	4.8	5.1	0	0.2	0.2	0	0	0	12.9	10.3	12.9	0.2		
FF	4.9	2.9	3.2	0	3.2	2.9	4.9	5.2	0	0.2	0.2	0	0	0	12.9	10.3	12.9	0.2		

REF. NO. / MODE	Q60501			Q60502			Q60503			Q60504			Q60505			Q60506		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0.6	0.6	1.2	0.6	1.2	0.4	4.2	4.8	4.8	5.0	4.8	4.2	0	0	0.8	0	0	0.7
REC	0.6	0.6	1.2	0.6	1.2	0.4	4.2	4.8	4.8	5.0	4.8	4.2	0	0	0.8	0	0	0.7
FF	0.6	0.6	1.2	0.6	1.2	0.4	0	0.4	0	5.2	–0.4	5.2	0	14.9	0	0	0	0

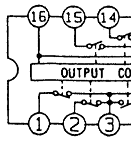
REF. NO. / MODE	Q60507			Q60508			Q60509		
	E	C	B	E	C	B	E	C	B
STOP	0	14.8	0	14.9	1.4	14.8	0	4.9	0.2
REC	0	14.8	0	14.9	1.4	14.8	0	4.8	0.2
FF	0	14.8	0	14.9	0	14.8	0	4.9	0

REF. NO. / MODE	QR60501			QR60502			QR60503		
	E	C	B	E	C	B	E	C	B
STOP	0	10.3	0	4.9	4.8	0	0	0	13.9
REC	0	10.2	0	4.9	4.8	0	0	0	13.9
FF	0	10.2	0	5.2	0.3	4.9	0	0	13.9

EEL SERVO SCHEMATIC DIAGRAM 3/11

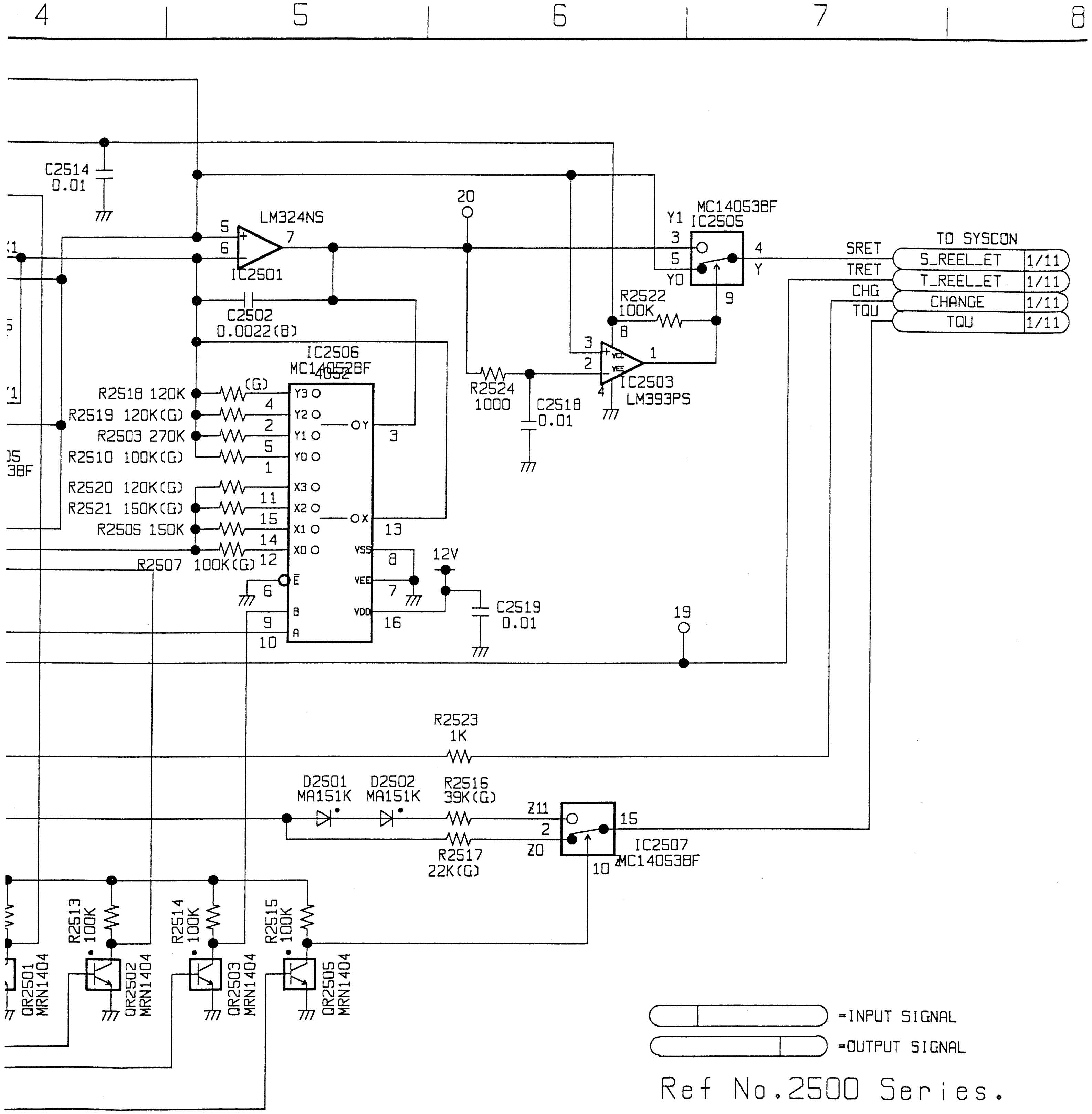

1
2
3
4
5
6
7
8
FROM SYSCON
1/11 V_REF
VREF
FROM SUB POWER
11/11 A12V
11/11 A_GND
A12V
AGND
L2502
47U
VLQEL0ST470J
12V
C2510
16V47
C2512
0.01
C2516
0.01
C2514
0.01
FROM SYSCON
1/11 SF_PHOTO
1/11 SR_PHOTO
SFP
SRP
IC2501
LM324NS
18
C2501
0.047(B)
R2501
6800
R2502
330K
X1
X0
IC2505
MC14053BF
TP2502
C2503
0.027(B)
R2504
12K
R2505
330K
Y1
Y0
FROM SYSCON
1/11 SF_AD
1/11 SR_AD
1/11 S_DAC
1/11 T_DAC
1/11 AD2
1/11 AD3
SF_AD
SR_AD
S_DAC
T_DAC
AD2
AD3
LM324NS
C2502
0.0022(B)
IC2506
MC14052BF
4052
R2518 120K
R2519 120K(G)
R2503 270K
R2510 100K(G)
R2520 120K(G)
R2521 150K(G)
R2506 150K
R2507 100K(G)
20
R2524
1000
C2518
0.01
R2522
100K
IC2503
LM393PS
MC14053BF
IC2505
TO SYSCON
SRET
TRET
CHG
TQU
S_REEL_ET 1/11
T_REEL_ET 1/11
CHANGE 1/11
TQU 1/11
12V
C2519
0.01
19
IC2502
LM324NS
R2508
100K(G)
C2504
0.0022(B)
R2509
100K(G)
C2513
0.01
12V
C2517
0.01
IC2507
MC14053BF
R2523
1K
D2501
MA151K
D2502
MA151K
R2516
39K(G)
R2517
22K(G)
Z1
Z0
IC2507
MC14053BF
IC2503
LM393PS
IC2507
MC14053BF
R2511
100K
R2512
100K
R2513
100K
R2514
100K
R2515
100K
QR2504
MRN1404
QR2501
MRN1404
QR2502
MRN1404
QR2503
MRN1404
QR2505
MRN1404
FROM SYSCON
1/11 CNT1
1/11 CNT2
1/11 CNT3
1/11 CNT4
1/11 CNT5
CNT1
CNT2
CNT3
CNT4
CNT5
=INPUT SIGNAL
=OUTPUT SIGNAL
Ref No.2500 Series.

IC2506
MC14052E


16
15
14
OUTPUT CO
1
2
3

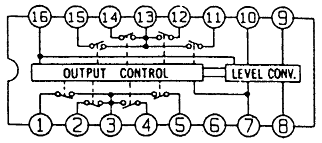
REEL S

REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF


4
5
6
7
8
C2514
0.01
LM324NS
IC2501
C2502
0.0022(B)
20
MC14053BF
IC2505
Y1
Y0
Y
R2522
100K
R2524
1000
C2518
0.01
IC2503
LM393PS
IC2506
MC14052BF
R2518 120K
R2519 120K(G)
R2503 270K
R2510 100K(G)
R2520 120K(G)
R2521 150K(G)
R2506 150K
R2507 100K(G)
12V
C2519
0.01
19
SRET
TRET
CHG
TQU
TO SYSCON
S_REEL_ET
T_REEL_ET
CHANGE
TQU
1/11
R2523
1K
D2501
MA151K
D2502
MA151K
R2516
39K(G)
R2517
22K(G)
Z11
Z0
IC2507
MC14053BF
R2513
100K
R2514
100K
R2515
100K
QR2501
MRN1404
QR2502
MRN1404
QR2503
MRN1404
QR2505
MRN1404
=INPUT SIGNAL
=OUTPUT SIGNAL

Ref No.2500 Series.

IC2506
MC14052BF


OUTPUT CONTROL
LEVEL CONV.
1
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16

REEL SERVO

REF. NO. / MODE	IC2501													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	3.2	3.2	3.1	11.7	2.4	2.4	2.0	4.6	4.6	4.6	0	2.4	2.4	2.4
REC	2.5	2.5	2.5	11.7	2.4	2.4	2.2	4.6	4.6	4.6	0	2.4	2.4	2.4
FF	2.4	2.4	2.3	11.7	2.4	2.4	2.3	0.6	0.6	0.6	0	0.2	0.2	0.2

REF. NO. / MODE	IC2502													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	2.4	2.4	2.4	11.7	2.4	2.4	2.4	2.4	2.4	2.4	0	1.6	1.7	1.7
REC	2.4	2.4	2.3	11.7	2.4	2.4	2.4	2.4	2.4	2.4	0	1.0	1.0	1.0
FF	3.8	3.8	3.8	11.7	2.4	2.4	1.5	2.8	2.7	2.7	0	1.6	1.6	1.5

REF. NO. / MODE	IC2503							
	1	2	3	4	5	6	7	8
STOP	11.6	2.2	2.4	0	0.5	0.5	0	11.7
REC	11.6	2.2	2.4	0	0.5	0.5	0	11.7
FF	11.6	2.3	2.4	0	0.5	0.5	0	11.7

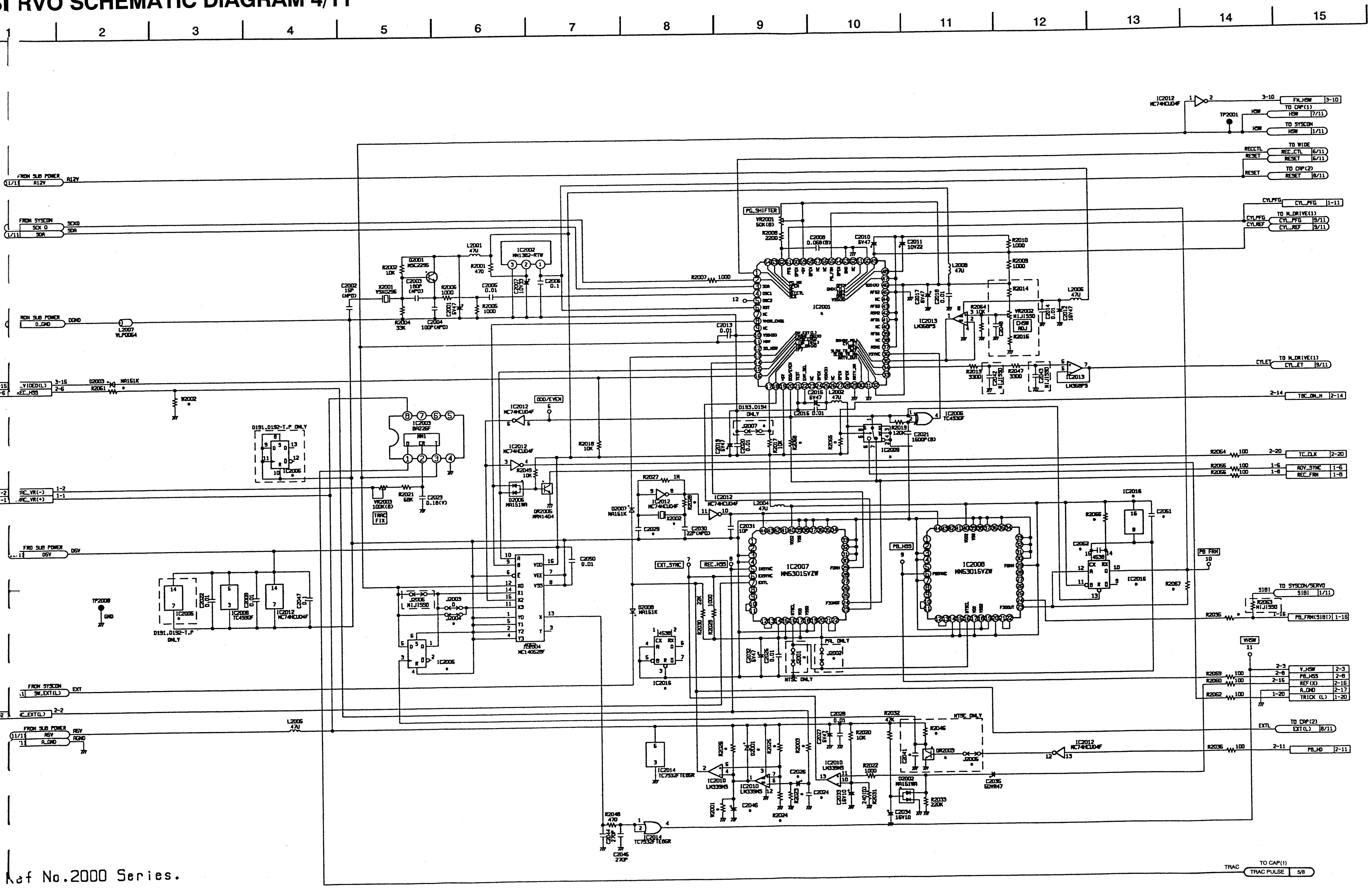
REF. NO. / MODE	IC2505															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	2.4	2.4	2.0	2.0	2.4	0	0	0	11.6	0	11.6	2.4	2.4	2.4	2.4	11.7
REC	2.4	2.4	2.2	2.2	2.4	0	0	0	11.6	0	11.6	2.4	2.4	2.4	2.4	11.7
FF	2.4	2.4	2.3	2.3	2.4	0	0	0	11.6	0	0	2.4	2.4	2.4	2.4	11.7

REF. NO. / MODE	IC2506															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	2.3	2.1	2.1	2.3	2.3	0	0	0	11.6	0	2.6	2.6	2.4	2.5	2.4	11.7
REC	2.3	2.2	2.2	2.3	2.3	0	0	0	11.6	0	2.5	2.5	2.4	2.5	2.4	11.7
FF	2.3	2.3	2.3	2.3	2.3	0	0	0	0	0	2.3	2.4	2.4	2.3	2.3	11.7

REF. NO. / MODE	IC2507															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	1.4	0.1	0.3	0.3	0.3	0	0	0	0	0	0	0.2	0.2	0.2	0.1	11.7
REC	0.8	0.1	0.3	0.3	0.3	0	0	0	0	0	0	0.3	0.3	0.3	0.1	0
FF	0.1	1.8	0.3	0.3	0.3	0	0	0	0	11.6	0	0.3	0.3	0.3	0	11.7

REF. NO. / MODE	QR2501			QR2502			QR2503			QR2504			QR2505		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	11.6	0	0	0	4.9	0	11.6	0	0	0	4.9	0	0	4.9
REC	0	11.6	0	0	0	4.9	0	11.6	0	0	0	4.9	0	0	4.9
FF	0	0	4.9	0	0	4.9	0	0	4.9	0	0	4.9	0	11.6	0

RVO SCHEMATIC DIAGRAM 4/11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15
FROM SUB POWER
A12V
FROM SYSCON
SCK O
SDA
FROM SUB POWER
D_GND
L2007 VLP0064
VIDEO(L)
REC_H55
AC_VR(-)
AC_VR(+)
FROM SUB POWER
D5V
TP2008 GND
FROM SYSCON
SW_EXT(L)
C_EXT(L)
FROM SUB POWER
A5V
A_GND
L2005 47U
IC2001
IC2002 MN1382-RTW
IC2003 BA226F
IC2004 MC14052BF
IC2005 TC4530F
IC2006 TC4530F
IC2007 MN53015VZW
IC2008 MN53015VZW
IC2009
IC2010 LM339NS
IC2012 MC74HCU04F
IC2013 LM358PS
IC2014 TC7S32FTE85R
IC2016
PG_SHIFTER
VR2001 50K(B)
CHSW ADJ
VR2002
VR2003 100K(B) TRAC FIX
EXT_SYNC
REC_H55
PB_H55
PB_FRM
NTSC ONLY
PAL ONLY
D191,D192-T.P ONLY
D193,D194 ONLY
ODD/EVEN
TP2001
FM_HSW
TO CAP(1)
HSW
TO SYSCON
TO WIDE
REC_CTL
RESET
TO CAP(2)
CYL_PFG
TO M_DRIVE(1)
CYL_FG
CYL_REF
CYL_ET
TBC_ON_H
TC_CLK
ADV_SYNC
REC_FRM
TO SYSCON/SERVO
SIBI
PB_FRM(SIBI)
VHSW
V_HSW
PB_H55
REF(X)
A_GND
TRICK (L)
EXTL
EXT(L)
PB_HD
TRAC
TO CAP(1)
TRAC PULSE

Ref No.2000 Series.

CYL SERVO

REF. NO. / MODE	1	2
STOP	0	5.0
REC	3.1	5.0
FF	0	5.0

REF. NO. / MODE	21	22
STOP	0	0
REC	0	0
FF	0	0

REF. NO. / MODE	41	42
STOP	0	0
REC	0	0
FF	0	0

REF. NO.		IC
MODE	61	62
STOP	1.1	3.1
REC	1.1	3.1
FF	1.1	3.1

REF. NO. / MODE	1	2
STOP	0	0
REC	0	0
FF	0	0

REF. NO. / MODE	1	2
STOP	2.6	2.6
REC	2.6	2.6
FF	2.6	2.6

REF. NO. / MODE	1	2
STOP	0	0
REC	0	0
FF	0	0

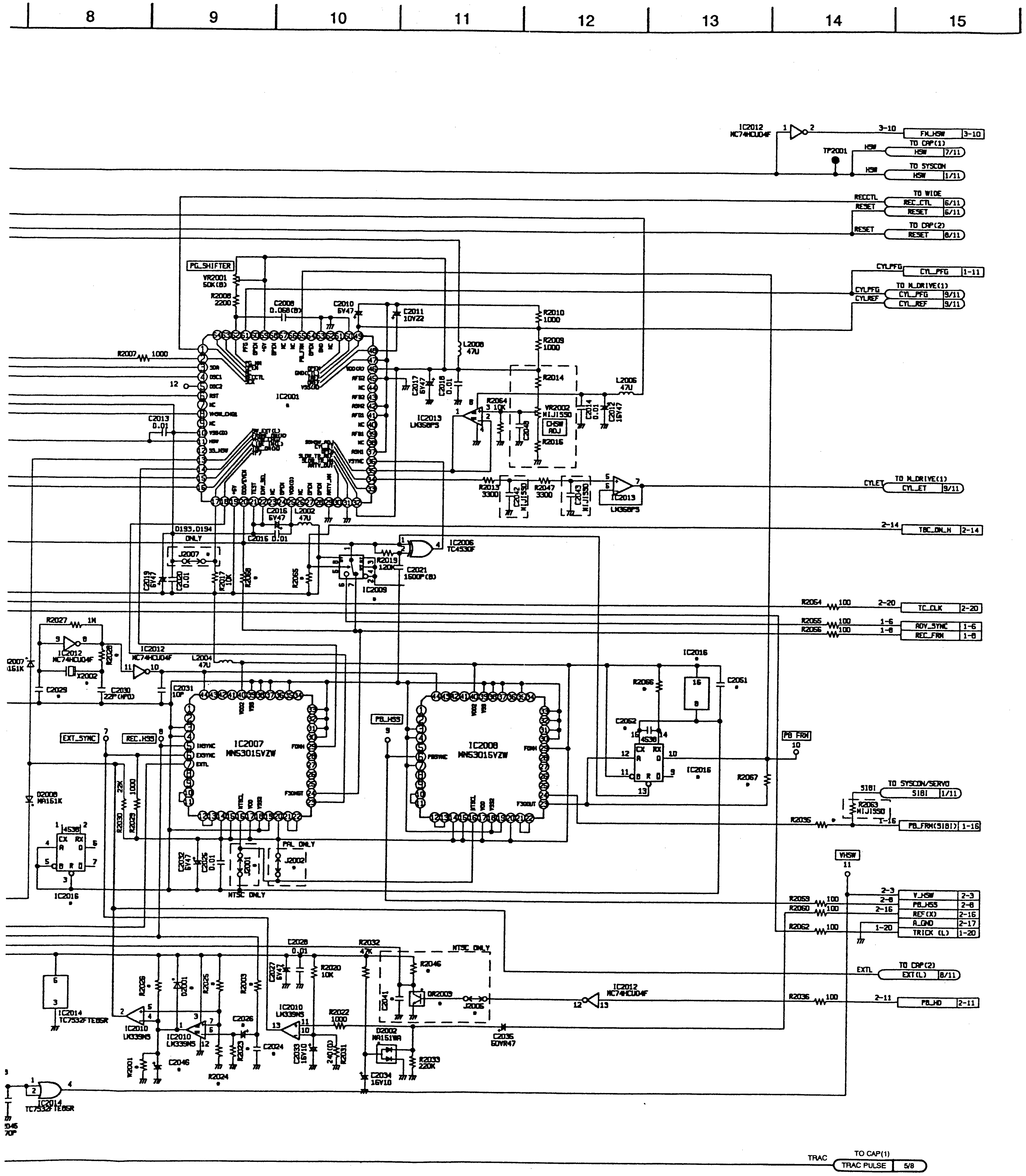
REF. NO. / MODE	21	22
STOP	0	0
REC	0	0
FF	0	0

REF. NO.		I
MODE	41	4
STOP	5.1	5.
REC	5.1	5.
FF	5.2	5.

REF. NO. / MODE	1	2
STOP	0	0
REC	0	0
FF	0	0

REF. NO. / MODE	21	2
STOP	0	0
REC	0	0
FF	0	0

REF. NO.		Q2
MODE	E	
STOP	3.5	5
REC	3.5	5
FF	3.5	5


8
9
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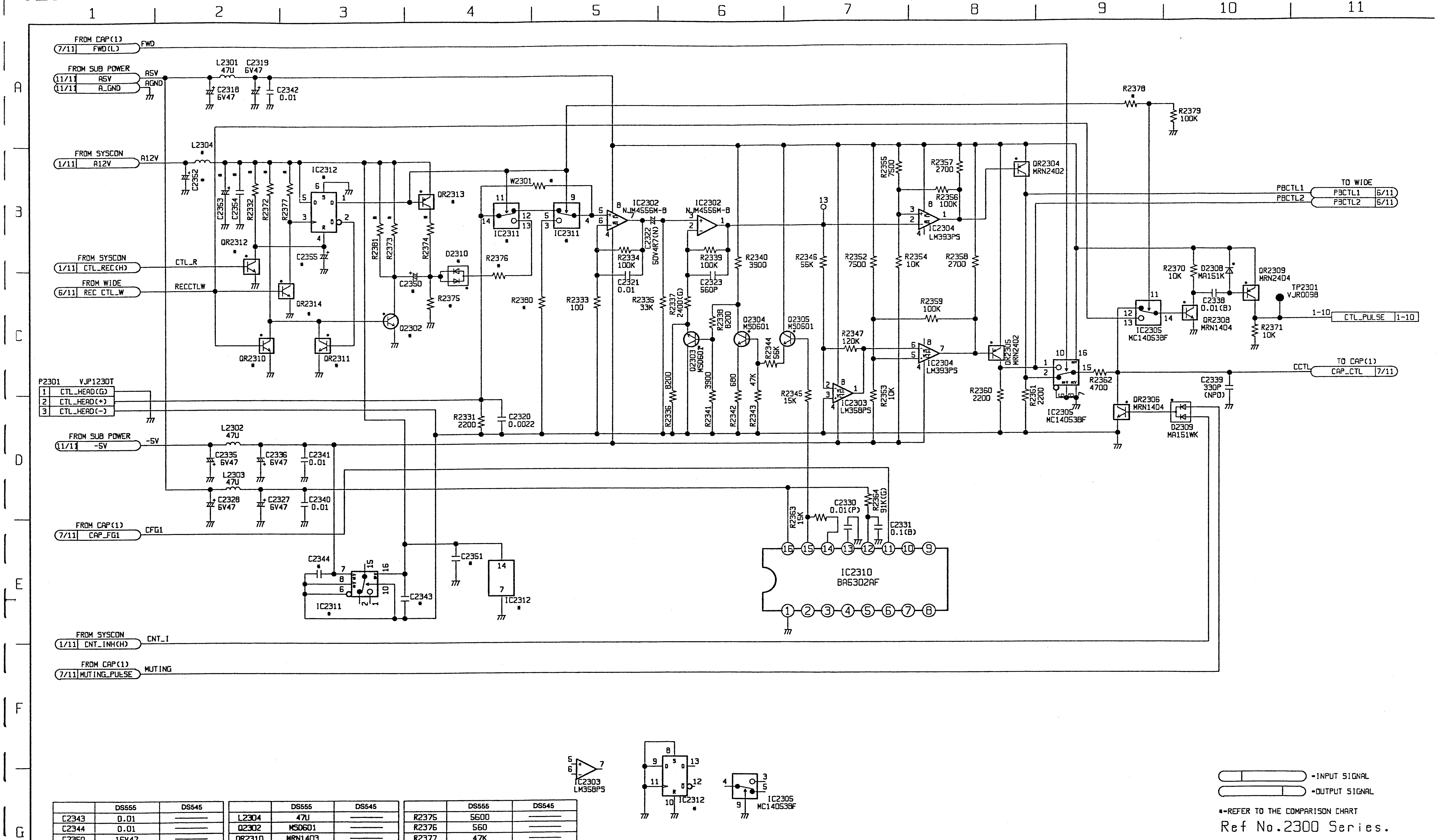
13
14
15
IC2001
IC2007
MN53015VZW
IC2008
MN53015VZW
IC2012
MC74HCU04F
IC2013
LM358PS
IC2006
TC4030F
IC2016
IC2009
IC2010
LM339NS
IC2014
TC7S32FTE85R
PG_SHIFTER
VR2001
50K(B)
VR2002
CH SW ADJ
TP2001
TO CAP(1)
TO SYSCON
TO WIDE
TO CAP(2)
TO M_DRIVE(1)
TO SYSCON/SERVO
EXT_SYNC
REC_HSS
PB_HSS
PB_FRM
VHSW
NTSC ONLY
PAL ONLY
TRAC
TRAC PULSE
D2008
MA151K
D2002
MA151WA
QR2003
J2007
J2002
J2006
X2002

CYL SERVO

REF. NO.	IC2001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	5.0	4.6	2.5	2.5	5.1	0	0	0	0	2.5	2.6	0	5.1	0	4.1	5.1	0	5.1	2.6
REC	3.1	5.0	4.6	2.5	2.5	5.1	0	0	0	0	2.6	0	0	5.1	0	4.1	5.1	0	5.1	2.6
FF	0	5.0	4.6	2.5	2.5	5.2	0	5.2	0	0	2.6	2.6	0	5.2	0	4.1	5.2	0	5.2	2.6
REF. NO.	IC2001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	0	5.1	0	2.6	0	0	0	0	5.1	0.1	2.4	0	0	0	0	5.1	0
REC	0	0	0	0	5.1	0	2.6	0	0	0	0	5.1	0.5	2.4	0	0	0	0	5.1	0
FF	0	0	0	0	5.2	0	2.6	0	0	0	0	5.2	0.5	2.4	0	0	0	0	5.2	0
REF. NO.	IC2001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	0	0	5.1	0	0	0	0	2.5	2.5	0	0.2	0	0	0	0	0	0	1.9	5.1	0
REC	0	0	5.1	0	0	5.1	0	2.5	2.5	0	3.1	0	0	0	0	0	0	1.9	5.1	0
FF	0	0	5.2	0	0	5.2	0	2.5	2.5	0	0	0	0	0	0	0	0	1.9	5.2	0
REF. NO.	IC2001				IC2002			IC2003												
MODE	61	62	63	64	V	G	O	1	2	3	4	5	6	7	8					
STOP	1.1	3.1	5.1	0	5.1	0	5.1	2.3	0.5	2.5	0	0	0	0	5.0					
REC	1.1	3.1	5.1	0	5.1	0	5.1	2.3	0.5	2.5	0	0	0	0	0					
FF	1.1	3.1	5.2	0	5.2	0	5.2	2.3	0.5	2.6	0	0	0	0	5.0					
REF. NO.	IC2004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0	0	0	0	0	0	0	0	0	2.6	2.6	2.5	2.6	2.6	5.1				
REC	0	0	0	0	0	0	0	0	0	0	2.6	2.6	2.6	2.6	2.6	5.1				
FF	0	0	0	0	0	0	0	0	5.2	0	2.6	2.6	2.6	2.6	2.6	5.2				
REF. NO.	IC2005														IC2006					
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	5	
STOP	2.6	2.6	2.1	0	2.6	0	0	0	0	0	0	0	5.1	5.1	2.6	2.6	0	0	5.1	
REC	2.6	2.6	2.1	0	2.6	0	0	0	0	0	0	0	5.1	5.1	2.6	2.6	0	0	5.1	
FF	2.6	2.6	2.1	0	2.6	0	0	0	0	0	0	0	5.2	5.2	2.6	2.6	0	0	5.2	
REF. NO.	IC2007																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0	0	5.1	5.1	0	5.1	5.1	0	0	0	0	5.1	5.1	0	5.1	0	0	5.1
REC	0	0	0	0	4.5	5.1	0	5.1	5.1	0	0	0	0	5.1	5.1	0	5.1	0	0	5.1
FF	0	0	0	0	4.5	5.2	0	5.2	5.2	0	0	0	0	5.2	5.2	0	5.2	0	0	5.2
REF. NO.	IC2007																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	2.6	0	0	5.1	0	5.1	0	0	0	0	5.1	0	0	0	0	0	5.1
REC	0	0	0	2.6	0	0	5.1	0	5.1	0	0	0	0	5.1	0	0	0	0	0	5.1
FF	0	0	0	2.6	0	0	5.2	0	5.2	0	0	0	0	5.2	0	0	0	0	0	5.2
REF. NO.	IC2007																			
MODE	41	42	43	44																
STOP	5.1	5.1	0	2.5																
REC	5.1	5.1	0	2.5																
FF	5.2	5.2	0	2.5																
REF. NO.	IC2008																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0	0	0.2	3.5	0	4.7	5.1	0	0	0	0	5.1	5.1	0	5.1	0	0	5.1
REC	0	0	0	0	0	3.5	0	0	5.1	0	0	0	0	5.1	5.1	0	5.1	0	0	5.1
FF	0	0	0	0	0.3	3.5	0	4.7	5.1	0	0	0	0	5.2	5.2	0	5.2	0	0	5.2
REF. NO.	IC2008																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	2.6	0	0	0	0	0	5.1	0	0	0	0	5.1	0	0	0	0	0	5.1
REC	0	0	2.6	2.6	0	0	0	0	5.1	0	0	0	0	5.1	0	0	0	0	0	5.1
FF	0	0	2.6	2.6	0	0	0	0	5.2	0	0	0	0	5.2	0	0	0	0	0	5.2
REF. NO.	Q2001			QR2003			QR2005													
MODE	E	C	B	E	C	B	E	C	B											
STOP	3.5	5.1	3.8	0	2.0	0.8	0	4.9	0.6											
REC	3.5	5.1	3.8	0	2.0	0.8	0	4.9	0.6											
FF	3.5	5.1	3.8	0	2.0	0.8	0	4.9	0.6											

TL AMP SCHEMATIC DIAGRAM 5/11



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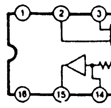
9
10
11
A
B
C
D
E
F
G
FROM CAP(1) 7/11 FWD(L) FWD
FROM SUB POWER 11/11 A5V 11/11 A_GND A5V AGND
FROM SYSCON 1/11 A12V A12V
FROM SYSCON 1/11 CTL_REC(H) CTL_R
FROM WIDE 6/11 REC CTL_W RECCTLW
P2301 VJP1230T
1 CTL_HEAD(G)
2 CTL_HEAD(+)
3 CTL_HEAD(-)
FROM SUB POWER 11/11 -5V -5V
FROM CAP(1) 7/11 CAP_FG1 CFG1
FROM SYSCON 1/11 CNT_INH(H) CNT_I
FROM CAP(1) 7/11 MUTING_PULSE MUTING
TO WIDE PBCTL1 PBCTL2 PBCTL1 6/11 PBCTL2 6/11
1-10 CTL_PULSE 1-10
TO CAP(1) CCTL CAP_CTL 7/11
TP2301 VJR0098
L2301 47U
C2319 6V47
C2318 6V47
C2342 0.01
L2304
C2352
C2353
C2354
R2332
R2372
R2377
IC2312
QR2312
QR2313
QR2314
QR2310
QR2311
C2355
R2381
R2373
R2374
C2350
D2310
R2375
Q2302
W2301
R2376
IC2311
R2380
R2333 100
IC2302 NJM4556M-B
R2334 100K
C2321 0.01
C2322 50V4R7(N)
R2335 33K
R2337 2400(G)
R2339 100K
C2323 560P
R2340 3900
R2338 8200
Q2303 MSD601
Q2304 MSD601
Q2305 MSD601
R2344 56K
R2336 8200
R2341 3900
R2342 680
R2343 47K
R2345 15K
R2346 56K
R2347 120K
IC2303 LM358PS
R2352 7500
R2353 10K
R2354 10K
R2355 7500
R2357 2700
R2356 100K
R2358 2700
R2359 100K
IC2304 LM393PS
QR2304 MRN2402
QR2305 MRN2402
R2360 2200
R2361 2200
IC2305 MC14053BF
R2362 4700
C2339 330P (NPO)
QR2306 MRN1404
D2309 MA151WK
R2378
R2379 100K
R2370 10K
D2308 MA151K
C2338 0.01(B)
QR2308 MRN1404
QR2309 MRN2404
R2371 10K
R2331 2200
C2320 0.0022
L2302 47U
C2335 6V47
C2336 6V47
C2341 0.01
L2303 47U
C2328 6V47
C2327 6V47
C2340 0.01
C2344
C2343
C2351
R2363 15K
C2330 0.01(P)
R2364 91K(G)
C2331 0.1(B)
IC2310 BA6302AF
IC2303 LM358PS
IC2312
IC2305 MC14053BF
-INPUT SIGNAL
-OUTPUT SIGNAL
*-REFER TO THE COMPARISON CHART
Ref No.2300 Series.

	DS555	DS545
C2343	0.01	———
C2344	0.01	———
C2350	16V47	———
C2351	0.01	———
C2352	16V47	———
C2353	16V47	———
C2354	0.01	———
C2355	50V1	———
D2310	MA153	———
IC2311	MC14053BF	———
IC2312	MC14013BF	———

	DS555	DS545
L2304	47U	———
Q2302	MSD601	———
QR2310	MRN1403	———
QR2311	MRN1404	———
QR2312	MRN1404	———
QR2313	MRN2404	———
QR2314	MRN1404	———
R2332	68K	———
R2372	15K	———
R2373	1200(1/4W)	———
R2374	4700	———

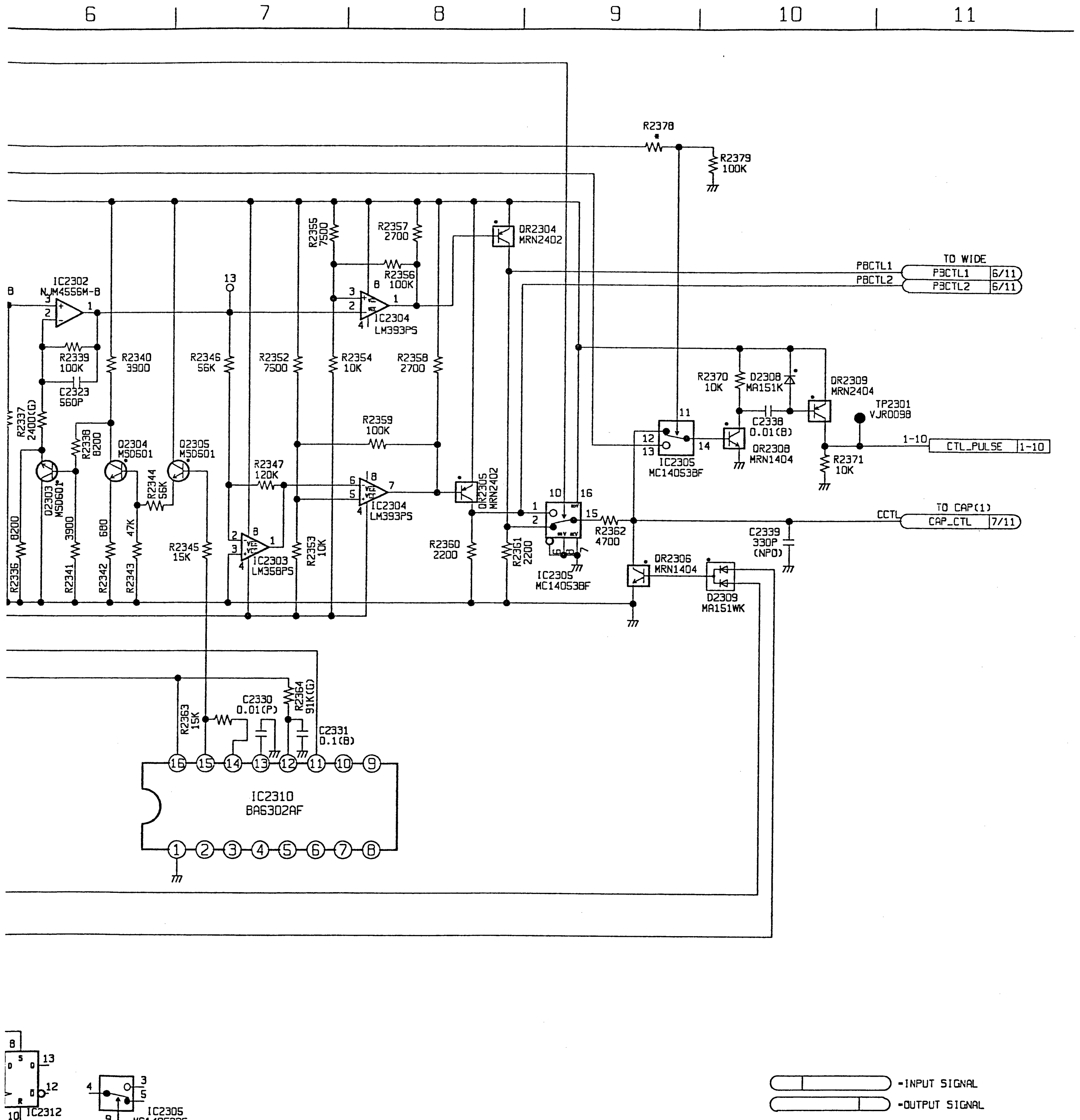
	DS555	DS545
R2375	5600	———
R2376	560	———
R2377	47K	———
R2378	150K	———
R2380	100	———
R2381	1200(1/4W)	———
W2301	———	0

IC2310
BA6302A



CTL A

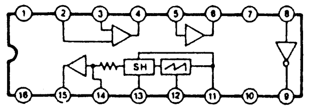
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF
REF. NO / MODE
STOP
REC
FF


6
7
8
9
10
11
R2378
*
R2379
100K
IC2302
NJM4556M-B
13
R2355
7500
R2357
2700
R2356
100K
IC2304
LM393PS
QR2304
MRN2402
PBCTL1
PBCTL2
TO WIDE
P3CTL1
P3CTL2
6/11
R2339
100K
C2323
560P
R2340
3900
R2346
56K
R2352
7500
R2354
10K
R2358
2700
R2370
10K
D2308
MA151K
QR2309
MRN2404
TP2301
VJR0098
C2338
0.01(B)
QR2308
MRN1404
R2371
10K
1-10
CTL_PULSE
R2337
2400(G)
R2338
8200
Q2304
MSD601
Q2305
MSD601
Q2303
MSD601
R2344
56K
R2359
100K
R2347
120K
QR2305
MRN2402
IC2305
MC14053BF
R2362
4700
TO CAP(1)
CCTL
CAP_CTL
7/11
C2339
330P
(NPO)
R2336
8200
R2341
3900
R2342
680
R2343
47K
R2345
15K
IC2303
LM358PS
R2353
10K
R2360
2200
R2361
2200
QR2306
MRN1404
D2309
MA151WK
R2363
15K
C2330
0.01(P)
R2364
91K(G)
C2331
0.1(B)
IC2310
BA6302AF
IC2312
IC2305
MC14053BF
=INPUT SIGNAL
=OUTPUT SIGNAL

*=REFER TO THE COMPARISON CHART

Ref No.2300 Series.

IC2310
BA6302AF



CTL AMP

REF. NO. / MODE	IC2302							
	1	2	3	4	5	6	7	8
STOP	0.1	0	0	–5.0	0	0	–0.1	5.0
REC	0	0	0	–5.0	0	0	–0.1	5.0
FF	0.6	0	0	–5.0	0	0	–0.1	5.0

REF. NO. / MODE	IC2303								IC2304							
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
STOP	–0.2	0	0	–5.0	0.3	0.2	3.9	5.0	4.9	0.1	0.9	–5.0	0.9	–0.2	4.9	5.0
REC	0	0	0	–5.0	0.3	0.3	3.9	5.0	4.9	0	0.9	–5.0	0.9	0	4.9	5.0
FF	–1.5	–0.1	0	–5.0	0.3	0.3	3.9	5.0	3.6	0	0.7	–5.0	0.7	–1.4	1.4	5.0

REF. NO. / MODE	IC2305															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	5.0
REC	0	0	0.1	0.1	0.1	0	0	0	0	0	4.6	0	3.1	3.0	0	5.0
FF	1.9	2.7	0.1	0.1	0.1	0	0	0	0	0	0	0.4	0	2.0	0.4	5.0

REF. NO. / MODE	IC2310															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	0	1.3	0.2	0	0.9	4.4	0	0	0	0	0	5.0	3.4	2.6	1.7	5.1
REC	0	1.3	0.2	0	0.9	4.4	0	0	0	0	2.5	0.3	0.4	2.6	3.8	5.1
FF	0	1.3	0.2	0	0.9	4.4	0	0	0	0	0	5.0	3.4	2.6	1.7	5.0

REF. NO. / MODE	IC2311															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	0	0	0	0	0	0	–5.0	0	0	0	0	0	5.9	0	0	11.7
REC	0	0	0	0	0	0	–5.0	0	11.7	0	11.7	0	0	0	0	11.7
FF	0	0	0	0	0	0	–5.0	0	0	0	0	0	5.9	0	0	11.7

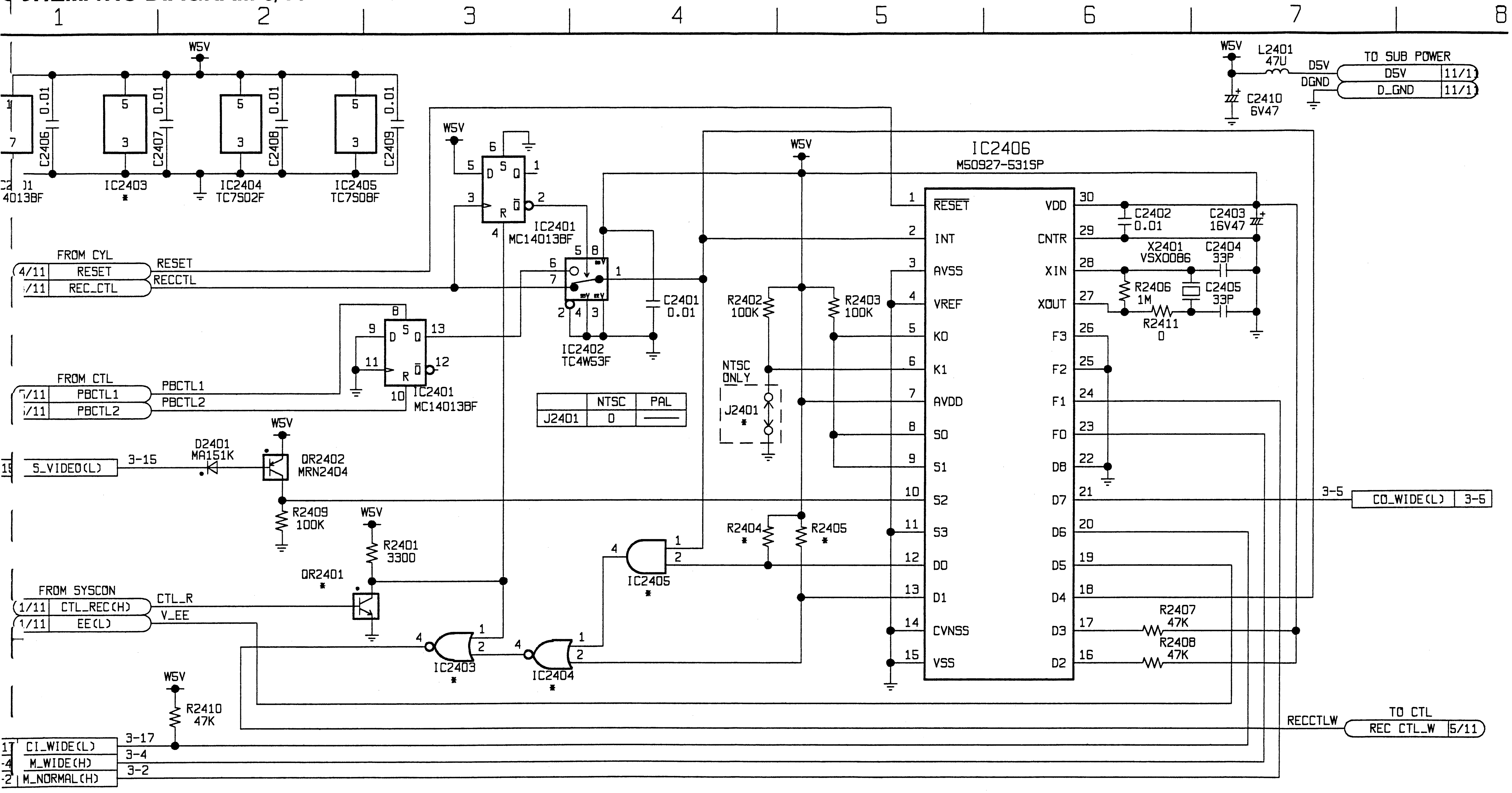
REF. NO. / MODE	IC2312													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	0	11.6	11.6	11.6	11.7	0	0	0	0	0	0	0	11.7	11.7
REC	11.7	0	4.6	0	11.7	0	0	0	0	0	0	0	11.7	11.7
FF	0	11.6	11.6	11.6	11.7	0	0	0	0	0	0	0	11.7	11.7

REF. NO. / MODE	Q2302			Q2303			Q2304			Q2305		
	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	11.7	0	0	0	0.6	0	3.5	0.5	1.2	5.0	1.7
REC	0	5.6	0.3	0	0	0.3	0.7	0.8	1.3	3.2	5.0	3.7
FF	0	11.7	0	0	0	0.6	0	3.5	0.5	1.2	5.0	1.7

REF. NO. / MODE	QR2304			QR2305			QR2306			QR2308			QR2309			QR2310		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.0	0	4.9	5.0	0	4.9	0	0	0	0	5.0	0	5.0	1.0	5.0	0	0	0
REC	5.0	0	4.9	5.0	0	4.9	0	0	0	0	2.0	3.0	5.0	1.1	4.9	0	0.3	3.1
FF	5.0	2.7	–0.2	5.0	1.9	1.4	0	2.6	0	0	1.8	2.4	5.0	3.3	3.4	0	0	0

REF. NO. / MODE	QR2311			QR2312			QR2313			QR2314		
	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	11.6	0	11.6	0	11.7	11.7	0	0	11.6	0
REC	0	0.3	0	0	0	4.8	11.7	0	11.7	0	4.6	3.1
FF	0	0	11.6	0	11.6	0	11.7	11.7	0	0	11.6	0

SCHEMATIC DIAGRAM 6/11


1
2
3
4
5
6
7
8
W5V
C2406 0.01
IC2403 *
C2407 0.01
IC2404 TC7S02F
C2408 0.01
IC2405 TC7S08F
C2409 0.01
4013BF
IC2401 MC14013BF
IC2402 TC4W53F
C2401 0.01
IC2406
M50927-531SP
RESET
INT
AVSS
VREF
K0
K1
AVDD
S0
S1
S2
S3
D0
D1
CVNSS
VSS
VDD
CNTR
XIN
XOUT
F3
F2
F1
F0
D8
D7
D6
D5
D4
D3
D2
C2402 0.01
C2403 16V47
X2401 VSX0086
C2404 33P
R2406 1M
C2405 33P
R2411 0
R2402 100K
R2403 100K
NTSC ONLY
J2401 *
R2404 *
R2405 *
R2407 47K
R2408 47K
L2401 47U
C2410 6V47
D5V
DGND
TO SUB POWER
D5V 11/11
D_GND 11/11
FROM CYL
4/11 RESET
4/11 REC_CTL
RECCTL
FROM CTL
5/11 PBCTL1
5/11 PBCTL2
D2401 MA151K
QR2402 MRN2404
3-15
S_VIDEO(L)
R2409 100K
R2401 3300
QR2401 *
FROM SYSCON
CTL_R
V_EE
1/11 CTL_REC(H)
1/11 EE(L)
R2410 47K
3-17
3-4
3-2
CI_WIDE(L)
M_WIDE(H)
M_NORMAL(H)
3-5
CO_WIDE(L) 3-5
RECCTLW
TO CTL
REC CTL_W 5/11
J2401
NTSC
PAL
0

REF	DS555	DS545
J2401	0	0
IC2403	TC7S02F	———
IC2404	TC7S02F	———
IC2405	TC7S08F	———
QR2401	MRN1404	———
R2404	47K	———
R2405	47K	———

=INPUT SIGNAL

=OUTPUT SIGNAL

*=REFER TO THE COMPARISON CHART

Ref No.2400 Series.

WIDE

REF. NO. / MODE	1	2
STOP	0	5.1
REC	5.1	0
FF	0	5.1

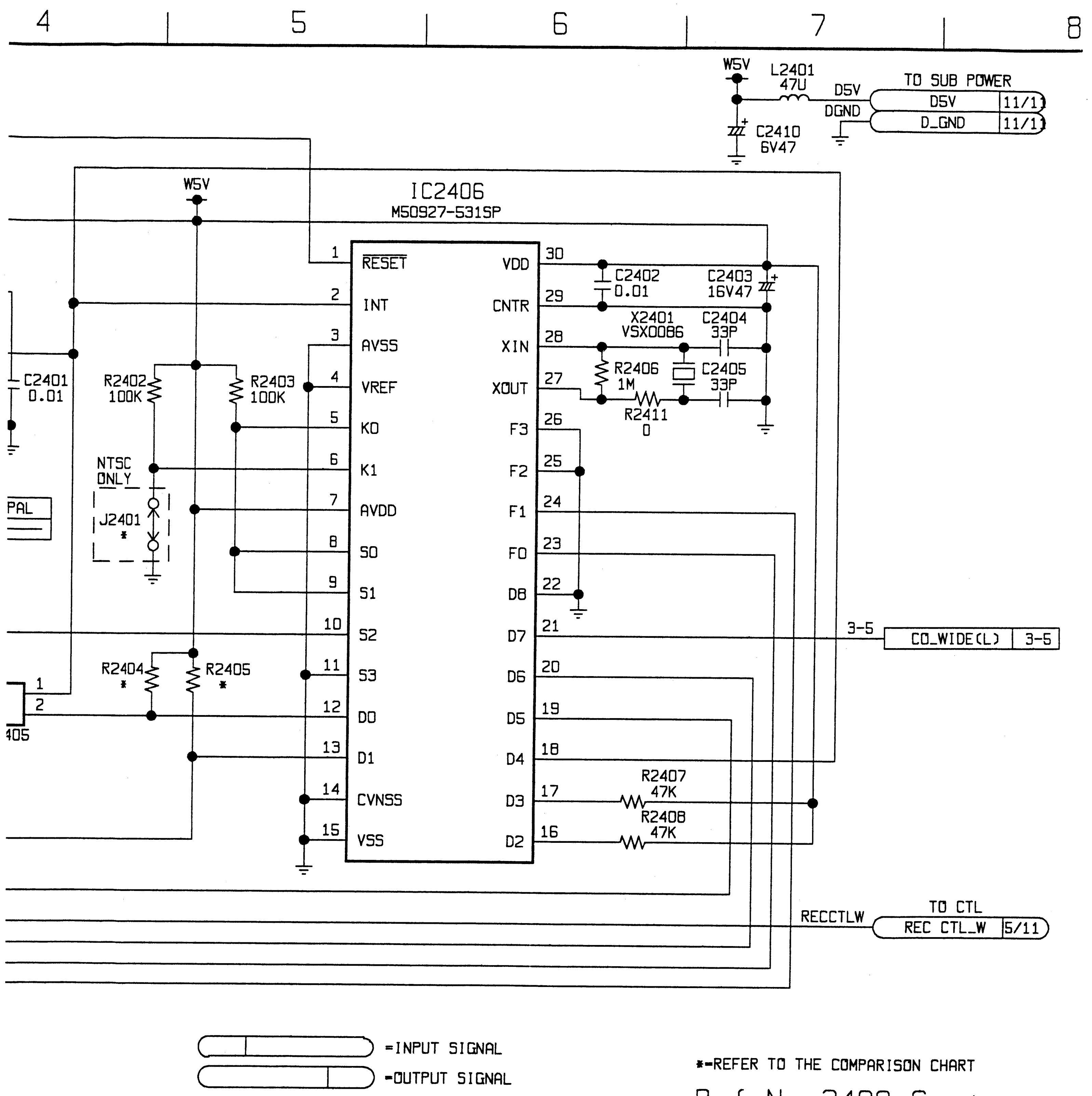
REF. NO. / MODE	1	2
STOP	0	0
REC	3.1	0
FF	3.1	0

REF. NO. / MODE	1	2
STOP	5.1	5.1
REC	3.1	1.8
FF	3.2	0

REF. NO. / MODE	1	2
STOP	5.1	5.1
REC	5.1	3.1
FF	5.2	3.1

REF. NO. / MODE	21	22
STOP	4.8	0
REC	4.8	0
FF	4.8	0

REF. NO.	QR240	
MODE	E	C
STOP	0	5.1
REC	0	0.1
FF	0	5.2


4
5
6
7
8
W5V
L2401
47U
D5V
DGND
C2410
6V47
TO SUB POWER
D5V
11/1
D_GND
11/1
IC2406
M50927-531SP
W5V
RESET
INT
AVSS
VREF
K0
K1
AVDD
S0
S1
S2
S3
D0
D1
CVNSS
VSS
VDD
CNTR
XIN
XOUT
F3
F2
F1
F0
D8
D7
D6
D5
D4
D3
D2
C2402
0.01
C2403
16V47
X2401
VSX0086
C2404
33P
R2406
1M
C2405
33P
R2411
0
R2407
47K
R2408
47K
C2401
0.01
R2402
100K
R2403
100K
NTSC
ONLY
J2401
*
PAL
R2404
*
R2405
*
405
3-5
CO_WIDE(L)
3-5
RECCTLW
TO CTL
REC CTL_W
5/11
=INPUT SIGNAL
=OUTPUT SIGNAL

*=REFER TO THE COMPARISON CHART

Ref No.2400 Series.

WIDE

MODE \ REF. NO.	IC2401													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	0	5.1	0	5.1	5.1	0	0	0	0	0	0	0	5.1	5.1
REC	5.1	0	3.1	0.1	5.1	0	0	0	0	0	0	5.1	0	5.1
FF	0	5.1	0	5.2	5.2	0	0	2.7	0	1.9	0	2.0	3.1	5.1

MODE \ REF. NO.	IC2402								IC2403					IC2404				
	1	2	3	4	5	6	7	8	1	2	3	4	5	1	2	3	4	5
STOP	0	0	0	0	5.1	0	0	5.1	5.1	0	0	0	5.1	5.1	0	0	0	5.1
REC	3.1	0	0	0	0	0	3.1	5.1	0.1	2.1	0	3.1	5.1	0.4	3.1	0	2.1	5.1
FF	3.1	0	0	0	5.2	3.2	0	5.2	5.2	0	0	0	5.2	0	5.2	0	0	5.2

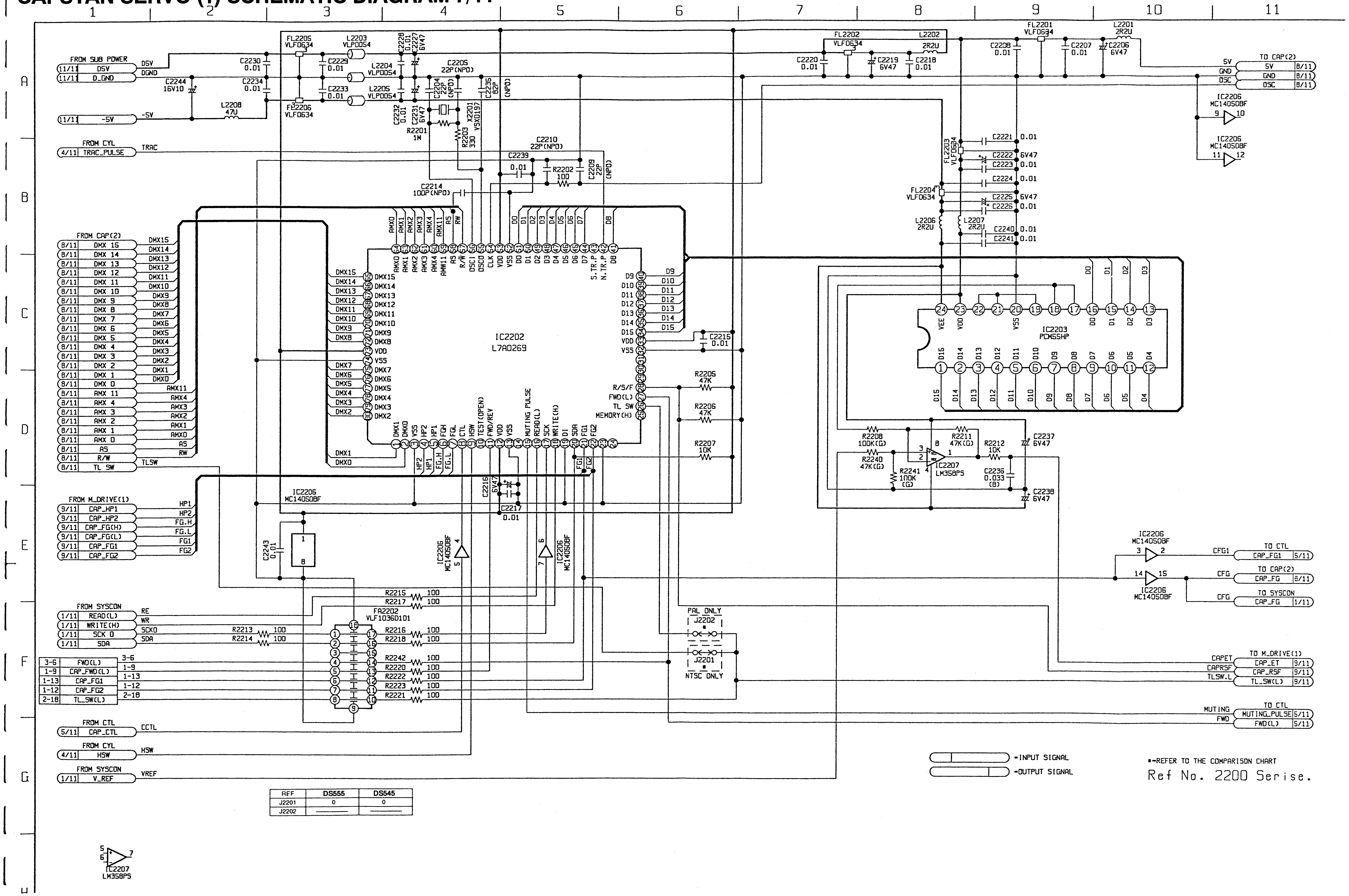
MODE \ REF. NO.	IC2405				
	1	2	3	4	5
STOP	5.1	5.1	0	5.1	5.1
REC	3.1	1.8	0	0.4	5.1
FF	3.2	0	0	0	5.2

MODE \ REF. NO.	IC2406																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	5.1	5.1	0	0	5.1	0	5.1	5.1	5.1	3.6	0	5.1	0	0	0	5.1	5.1	5.1	0	5.1
REC	5.1	3.1	0	0	5.1	0	5.1	5.1	5.1	3.3	0	1.8	3.1	0	0	0	5.1	3.1	0	5.1
FF	5.2	3.1	0	0	5.1	0	5.2	5.1	5.1	5.1	0	5.2	5.2	0	0	5.2	5.2	3.2	0	5.2

MODE \ REF. NO.	IC2406									
	21	22	23	24	25	26	27	28	29	30
STOP	4.8	0	0	0	0	0	2.5	2.5	0	5.1
REC	4.8	0	0	0	0	0	2.5	2.5	0	5.1
FF	4.8	0	0	0	0	0	2.5	2.5	0	5.2

MODE \ REF. NO.	QR2401			QR2402		
	E	C	B	E	C	B
STOP	0	5.1	0	5.1	4.1	4.0
REC	0	0.1	4.8	5.1	4.1	4.0
FF	0	5.2	0	5.2	5.1	4.0

CAPSTAN SERVO (1) SCHEMATIC DIAGRAM 7/11


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
FROM SUB POWER
(11/11) DSV
(11/11) D_GND
(11/11) -5V
DSV
DGND
-5V
C2230 0.01
C2234 0.01
C2244 16V10
L2208 47U
FL2205 VLF0634
FL2206 VLF0634
C2229 0.01
C2233 0.01
L2203 VLP0054
L2204 VLP0054
L2205 VLP0054
C2228 0.01
C2227 6V47
C2232 0.01
C2231 6V47
C2204 22P (NPO)
C2205 22P (NPO)
C2235 82P (NPO)
X2201 VSX0197
R2201 1M
R2203 330
FROM CYL
(4/11) TRAC_PULSE
TRAC
C2210 22P (NPO)
C2239 0.01
R2202 100
C2209 22P (NPO)
C2214 100P (NPO)
FROM CAP(2)
(8/11) DMX 15
(8/11) DMX 14
(8/11) DMX 13
(8/11) DMX 12
(8/11) DMX 11
(8/11) DMX 10
(8/11) DMX 9
(8/11) DMX 8
(8/11) DMX 7
(8/11) DMX 6
(8/11) DMX 5
(8/11) DMX 4
(8/11) DMX 3
(8/11) DMX 2
(8/11) DMX 1
(8/11) DMX 0
(8/11) AMX 11
(8/11) AMX 4
(8/11) AMX 3
(8/11) AMX 2
(8/11) AMX 1
(8/11) AMX 0
(8/11) AS
(8/11) R/W
(8/11) TL SW
TLSW
IC2202 L7A0269
AMX0 AMX1 AMX2 AMX3 AMX4 AMX11 AS R/W OSCI OSCO CLK VDD VSS D0 D1 D2 D3 D4 D5 D6 D7 S.TR.P N.TR.P D8
DMX15 DMX14 DMX13 DMX12 DMX11 DMX10 DMX9 DMX8 VDD VSS DMX7 DMX6 DMX5 DMX4 DMX3 DMX2
D9 D10 D11 D12 D13 D14 D15 VDD VSS R/S/F FWD(L) TL SW MEMORY(H)
DMX1 DMX0 VSS HP2 HP1 FGH FGL CTL HSW TEST(OPEN) FWD/REV VDD VSS MUTING PULSE READ(L) SCK WRITE(H) DI SDA FG1 FG2
C2215 0.01
R2205 47K
R2206 47K
R2207 10K
C2216 6V47
C2217 0.01
IC2206 MC14050BF
C2243 0.01
FROM M_DRIVE(1)
(9/11) CAP_HP1
(9/11) CAP_HP2
(9/11) CAP_FG(H)
(9/11) CAP_FG(L)
(9/11) CAP_FG1
(9/11) CAP_FG2
HP1 HP2 FG.H FG.L FG1 FG2
FROM SYSCON
(1/11) READ(L)
(1/11) WRITE(H)
(1/11) SCK 0
(1/11) SDA
RE WR SCKO SDA
R2213 100
R2214 100
R2215 100
R2217 100
FA2202 VLF10360101
R2216 100
R2218 100
R2242 100
R2220 100
R2222 100
R2223 100
R2221 100
3-6 FWD(L)
1-9 CAP_FWD(L)
1-13 CAP_FG1
1-12 CAP_FG2
2-18 TL_SW(L)
FROM CTL
(5/11) CAP_CTL
CCTL
FROM CYL
(4/11) HSW
HSW
FROM SYSCON
(1/11) V_REF
VREF
PAL ONLY
J2202 *
J2201 *
NTSC ONLY
FL2202 VLF0634
L2202 2R2U
C2220 0.01
C2219 6V47
C2218 0.01
C2208 0.01
FL2201 VLF0634
C2207 0.01
L2201 2R2U
C2206 6V47
TO CAP(2)
5V GND OSC
(8/11)
IC2206 MC14050BF
FL2203 VLF0634
C2221 0.01
C2222 6V47
C2223 0.01
C2224 0.01
FL2204 VLF0634
C2225 6V47
C2226 0.01
L2206 2R2U
L2207 2R2U
C2240 0.01
C2241 0.01
IC2203 PCM55HP
VEE VDD VSS D0 D1 D2 D3 D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4
R2208 100K(G)
R2240 47K(G)
R2241 100K (G)
R2211 47K(G)
IC2207 LM358PS
R2212 10K
C2236 0.033 (B)
C2237 6V47
C2238 6V47
CFG1
TO CTL
CAP_FG1 (5/11)
CFG
TO CAP(2)
CAP_FG (8/11)
TO SYSCON
CAP_FG (1/11)
CAPET CAPRSF TLSW.L
TO M_DRIVE(1)
CAP_ET (9/11)
CAP_RSF (9/11)
TL_SW(L) (9/11)
MUTING FWD
TO CTL
MUTING_PULSE (5/11)
FWD(L) (5/11)
IC2207 LM358PS

=INPUT SIGNAL

=OUTPUT SIGNAL

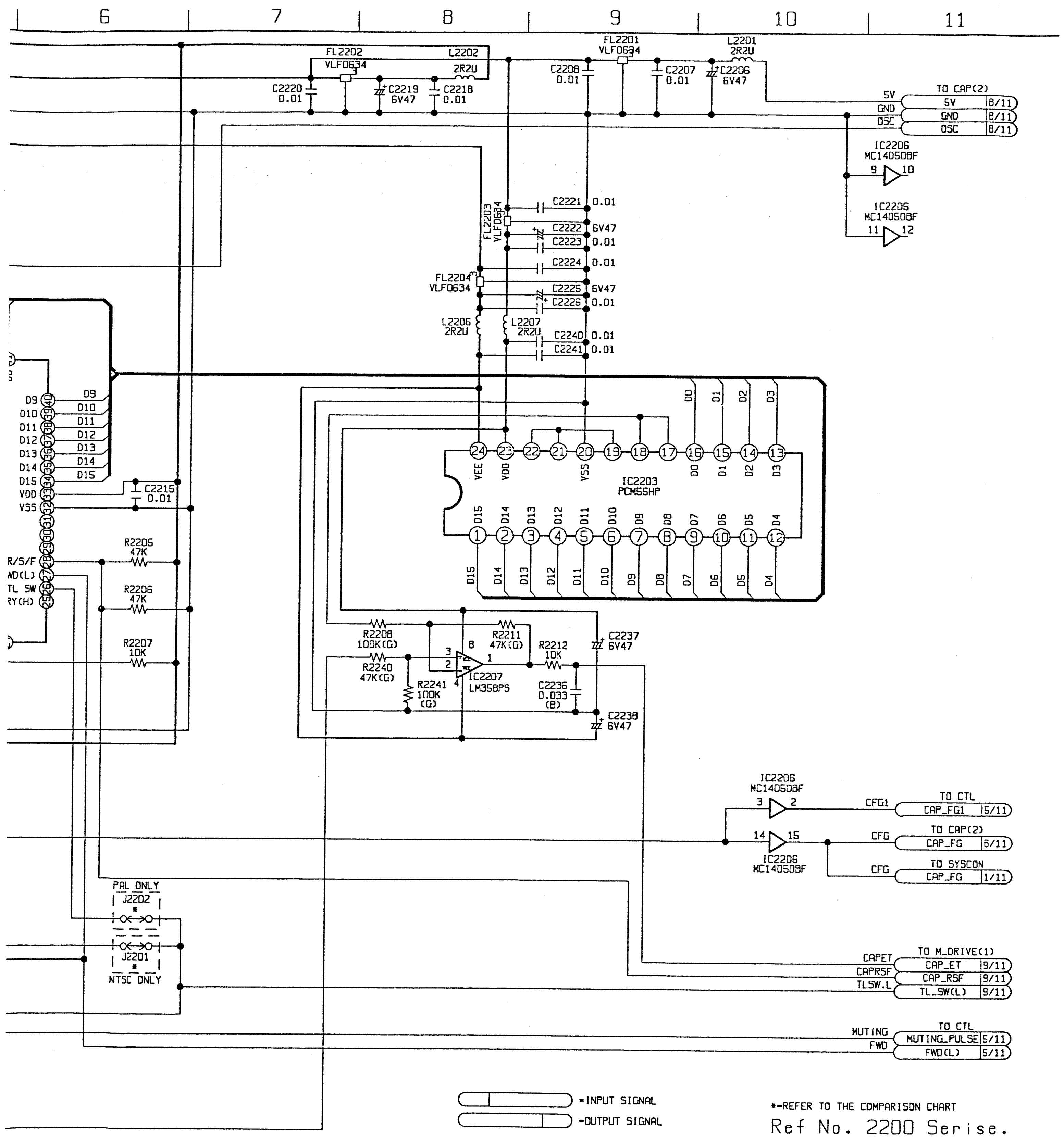
*=REFER TO THE COMPARISON CHART

Ref No. 2200 Serise.

REF	DS555	DS545
J2201	0	0
J2202	———	———

CAPST

REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF
REF. NO. / MODE
STOP
REC
FF


6
7
8
9
10
11
FL2202
VLF0634
L2202
2R2U
C2220
0.01
C2219
6V47
C2218
0.01
C2208
0.01
FL2201
VLF0634
C2207
0.01
L2201
2R2U
C2206
6V47
5V
GND
OSC
TO CAP(2)
5V 8/11
GND 8/11
OSC 8/11
IC2206
MC14050BF
IC2206
MC14050BF
FL2203
VLF0634
C2221 0.01
C2222 6V47
C2223 0.01
C2224 0.01
FL2204
VLF0634
C2225 6V47
C2226 0.01
L2206
2R2U
L2207
2R2U
C2240 0.01
C2241 0.01
IC2203
PCM55HP
VEE
VDD
VSS
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
VDD
VSS
C2215
0.01
R2205
47K
R2206
47K
R2207
10K
R/S/F
WD(L)
TL SW
RY(H)
R2208
100K(G)
R2211
47K(G)
R2240
47K(G)
R2241
100K
(G)
IC2207
LM358PS
R2212
10K
C2236
0.033
(B)
C2237
6V47
C2238
6V47
IC2206
MC14050BF
CFG1
TO CTL
CAP_FG1 5/11
CFG
TO CAP(2)
CAP_FG 8/11
IC2206
MC14050BF
CFG
TO SYSCON
CAP_FG 1/11
PAL ONLY
J2202
J2201
NTSC ONLY
CAPET
CAPRSF
TLSW.L
TO M_DRIVE(1)
CAP_ET 9/11
CAP_RSF 9/11
TL_SW(L) 9/11
MUTING
FWD
TO CTL
MUTING_PULSE 5/11
FWD(L) 5/11
-INPUT SIGNAL
-OUTPUT SIGNAL
*-REFER TO THE COMPARISON CHART
Ref No. 2200 Serise.

CAPSTAN SERVO (1), (2)

REF. NO. / MODE	IC2201 (SCM-13)																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	5.1	5.1	0	0	0	0	3.1	2.4	2.6	2.1	2.4	5.1	5.1	5.1	5.1	4.9	3.1	4.2
REC	0	0	5.1	5.1	0	0	0	0	3.1	2.4	2.6	2.1	2.4	5.1	5.1	5.1	5.1	4.9	2.8	3.9
FF	0	0	5.2	5.2	0	0	0	0	3.1	2.5	2.7	2.1	2.4	5.2	5.2	5.2	5.2	5.0	3.2	4.3

REF. NO. / MODE	IC2201 (SCM-13)																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	5.1	5.1	5.1	0	0	5.1	0	0	0	0	0	0	0	0	0	0	0
REC	0	0	0	5.1	5.1	5.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FF	0	0	0	5.2	5.2	5.2	0	5.2	5.2	0	0	0	0	0	0	0	0	0	0	0

REF. NO. / MODE	IC2201 (SCM-13)																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	0	0	5.1	3.9	4.7	4.3	3.5	4.3	3.5	3.6	3.6	3.1	3.6	3.1	4.9	4.7	4.1	3.4	3.9	5.1
REC	0	0	5.1	2.7	2.7	3.6	3.6	3.6	3.7	3.7	3.5	4.5	3.5	2.6	3.7	3.5	3.7	3.8	4.2	5.1
FF	0	0	5.2	2.6	3.3	3.9	3.3	3.3	4.0	3.3	3.5	3.4	3.4	3.3	4.1	2.6	2.8	3.9	2.8	5.2

REF. NO. / MODE	IC2201 (SCM-13)																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	5.1	5.1	0	0	0	0	0	5.1	5.1	5.1	0	0.9	0.9	0.8	0.9	4.1	4.6	3.8	4.7	4.7
REC	5.1	5.1	0	0	0	0	0	5.1	5.1	5.1	0	2.4	2.8	3.2	2.1	1.9	1.5	3.9	4.6	4.6
FF	5.2	5.2	0	0	0	0	0	5.2	5.2	5.2	0	0.3	0	1.0	0.8	4.5	4.7	3.9	4.7	4.7

REF. NO. / MODE	IC2201 (SCM-13)			
MODE	81	82	83	84
STOP	0	0	0.5	5.1
REC	0	0	0.5	5.1
FF	0	0	0.5	5.2

REF. NO. / MODE	IC2202 (SCM-12)																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	4.0	3.9	0	5.0	0	0	4.0	0	2.6	5.1	5.1	5.1	0	0	5.1	4.5	5.0	0	0	4.6
REC	0	2.7	0	2.6	2.6	2.5	2.5	0	2.5	5.1	0	5.1	0	0	0	4.5	5.0	0	0	4.6
FF	3.3	2.6	0	5.0	0	0	4.1	0.4	2.6	0	0	5.2	0	0	0	4.6	5.0	0	0	4.6

REF. NO. / MODE	IC2202 (SCM-12)																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	4.5	4.5	0	5.1	5.1	0.2	0	0	0	0	0	0	5.1	0	0	5.1	5.1	5.1	5.1	5.1
REC	2.3	2.3	0	5.1	0	0.2	0	0	0	0	0	0	5.1	0	5.1	5.1	0	0	5.1	2.2
FF	0.1	4.5	0	5.2	5.2	0.1	0	0	0	0	0	0	5.2	5.2	0	0	0	0	0	0

REF. NO. / MODE	IC2202 (SCM-12)																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	5.1	2.3	5.1	5.1	5.1	5.1	0	5.1	0	0	0	0	5.1	1.9	1.9	2.2	5.0	3.2	0.5	4.1
REC	2.9	2.3	5.1	2.7	2.7	2.6	2.7	2.6	2.7	2.6	2.7	0	5.1	1.9	1.9	2.2	5.0	2.8	0.6	1.9
FF	0	0	5.2	0	0	0	0	0	0	0	0	0	5.2	1.9	1.9	2.2	5.0	3.2	0.5	4.5

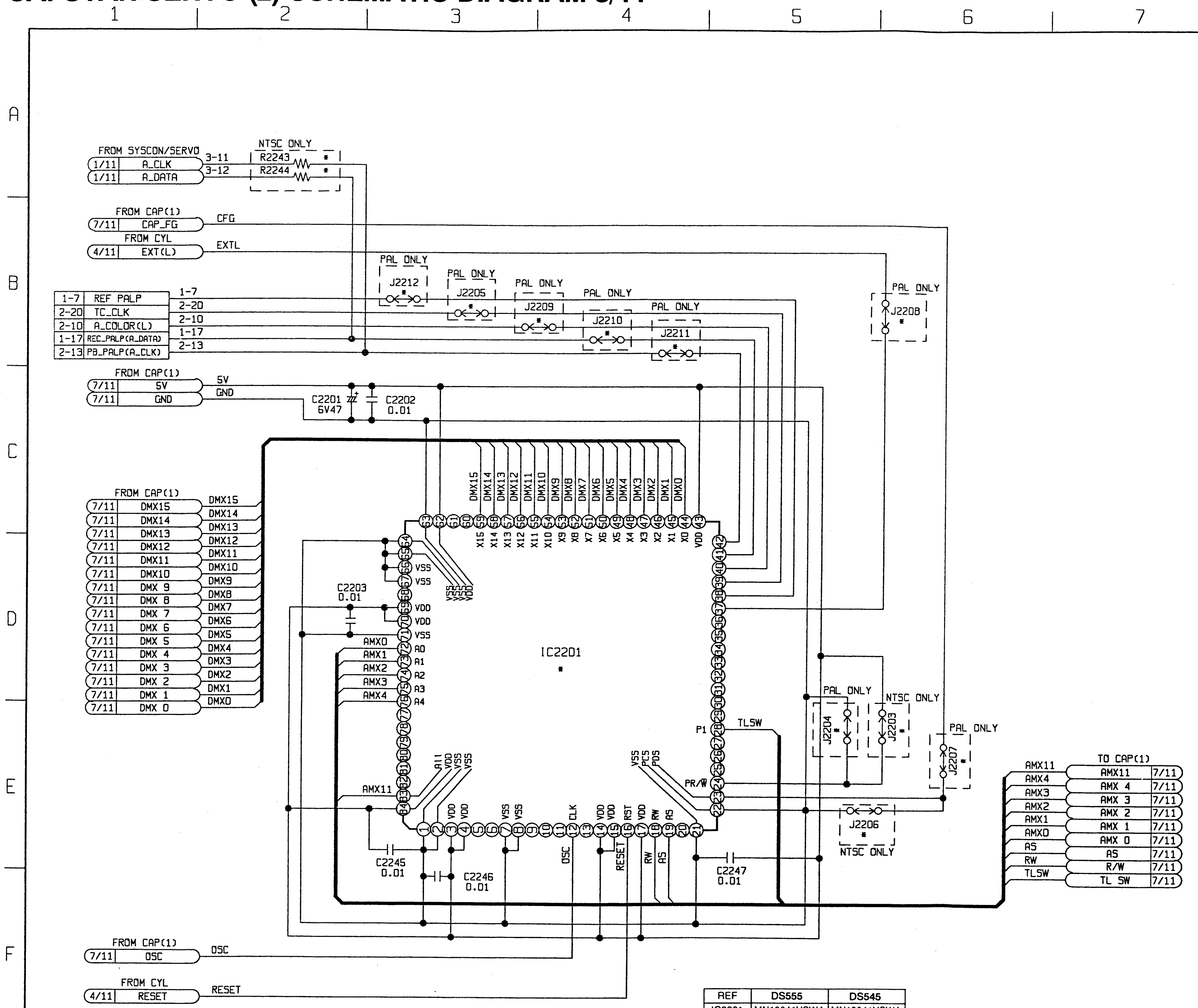
REF. NO. / MODE	IC2202 (SCM-12)																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0.9	0.8	0.9	0.9	3.9	4.2	4.1	3.8	4.9	3.1	3.6	3.1	5.1	0	3.5	3.5	4.3	4.3	3.5	4.3
REC	2.1	3.2	2.8	2.4	4.2	3.8	3.7	3.5	3.6	2.6	0	4.4	5.1	0	3.6	3.7	3.6	3.6	3.7	3.7
FF	0.8	1.0	0.5	0.3	2.7	3.9	4.1	2.8	4.1	3.3	3.4	3.4	5.2	0	3.3	3.3	4.0	3.3	3.3	3.3

REF. NO. / MODE	IC2203 (SCM-12)																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	5.1	5.1	5.1	5.1	0	5.1	5.1	0	5.1	5.1	0	0	5.1	0	1.6	1.6	0	0
REC	0	5.1	5.1	0	0	5.1	3.8	2.2	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.6	0.6	0	0
FF	5.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REF. NO. / MODE	IC2203 (SCM-12)				IC2206 (SCM-12)															
MODE	21	22	23	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	0	0	5.1	–5.0	5.1	5.1	4.6	0	0	5.0	5.0	0	0	0	0	0	0	4.6	5.1	0
REC	0	0	5.1	–5.0	5.1	2.5	2.3	0	0	5.0	5.0	0	0	0	0	0	0	2.3	2.6	0
FF	0	0	0	–5.0	5.2	0	0.1	2.8	2.4	5.1	5.1	0	0	0	0	0	0	0.1	0	0

REF. NO. / MODE	IC2207 (SCM-12)							
MODE	1	2	3	4	5	6	7	8
STOP	1.6	1.6	1.6	–5.0	0.3	0.3	4.0	5.1
REC	2.1	1.6	1.6	–5.0	0.3	0.3	4.0	5.1
FF	2.4	1.6	1.6	–5.0	0.3	0.3	4.0	5.2

CAPSTAN SERVO (2) SCHEMATIC DIAGRAM 8/11


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
FROM SYSCON/SERVO
1/11 A_CLK 3-11
1/11 A_DATA 3-12
NTSC ONLY
R2243 *
R2244 *
FROM CAP(1)
7/11 CAP_FG CFG
FROM CYL
4/11 EXT(L) EXTL
1-7 REF PALP 1-7
2-20 TC_CLK 2-20
2-10 A_COLOR(L) 2-10
1-17 REC_PALP(A_DATA) 1-17
2-13 PB_PALP(A_CLK) 2-13
PAL ONLY J2212 *
PAL ONLY J2205 *
PAL ONLY J2209 *
PAL ONLY J2210 *
PAL ONLY J2211 *
PAL ONLY J2208 *
FROM CAP(1)
7/11 5V 5V
7/11 GND GND
C2201 6V47
C2202 0.01
FROM CAP(1)
7/11 DMX15 … 7/11 DMX 0
DMX15 DMX14 DMX13 DMX12 DMX11 DMX10 DMX9 DMX8 DMX7 DMX6 DMX5 DMX4 DMX3 DMX2 DMX1 DMX0
X15 X14 X13 X12 X11 X10 X9 X8 X7 X6 X5 X4 X3 X2 X1 X0 VDD
VSS VSS VDD VDD VSS A0 A1 A2 A3 A4
C2203 0.01
AMX0 AMX1 AMX2 AMX3 AMX4 AMX11
IC2201 *
P1 TLSW
PR/W
A11 VDD VSS VSS
VSS PCS PDS
VDD VDD VSS VSS CLK VDD VDD RST VDD RW AS
C2245 0.01
C2246 0.01
OSC RESET RW AS
C2247 0.01
PAL ONLY J2204 *
NTSC ONLY J2203 *
PAL ONLY J2207 *
J2206 * NTSC ONLY
AMX11 AMX4 AMX3 AMX2 AMX1 AMX0 AS RW TLSW
TO CAP(1)
AMX11 7/11
AMX 4 7/11
AMX 3 7/11
AMX 2 7/11
AMX 1 7/11
AMX 0 7/11
AS 7/11
R/W 7/11
TL SW 7/11
FROM CAP(1)
7/11 OSC OSC
FROM CYL
4/11 RESET RESET

P2201 VJS3202B020Z

1	TRAC_VR(+)	1-1	4/11
2	TRAC_VR(-)	1-2	4/11
3	-29V	-29V	11/11
4	HEATER(-)	1-4	11/11
5	HEATER(+)	1-5	11/11
6	ADV_SYNC	1-6	4/11
7	REF_PALP	1-7	8/11
8	REC_FRM	1-8	4/11
9	CAP_FWD(L)	1-9	7/11
10	CTL_PULSE	1-10	5/11
11	CYL_PFG	CYLPFG	4/11
12	CAP_FG2	1-12	7/11
13	CAP_FG1	1-13	7/11
14	SCKO	SCKO	1/11
15	SDA	SDA	1/11
16	PB_FRM(SIBI)	1-16	4/11
17	REC_PALP(A_DATA)	1-17	8/11
18	B/W(L)	1-18	1/11
19	COLOR(L)	1-19	1/11
20	TRICK(L)	1-20	4/11

P2202 VJS3202B020Z

1	V_EE(H)	2-1	1/11
2	SYNC_EXT(L)	2-2	4/11
3	V_HSW	2-3	4/11
4	V_REC(L)	2-4	1/11
5	SYS_RESET	2-5	1/11
6	REC_HSS	2-6	4/11
7	RELEY(L)	2-7	1/11
8	PB_HSS	2-8	4/11
9	FM_REC(H)	2-9	1/11
10	A_COLOR(L)	2-10	8/11
11	PB_HD	2-11	4/11
12	A_DUB(L)	2-12	1/11
13	PB_PALP(A_CLK)	2-13	8/11
14	TBC_ON_H	2-14	4/11
15	S_CASS(H)	SCASS.H	1/11
16	REF(X)	2-16	4/11
17	A_GND	AGND	4/11
18	TL_SW(L)	2-18	7/11
19	SYS_IF	SBI1	1/11
20	TC_CLK	2-20	4/11

P2203 VJS3202B020Z

1	SYS_SYS	SB01	1/11
2	M_NORMAL(H)	3-2	6/11
3	SYS_CLK	SBT1	1/11
4	M_WIDE(H)	3-4	6/11
5	CO_WIDE(L)	3-5	6/11
6	FWD(L)	3-6	7/11
7	FLY_OSC	3-7	1/11
8	V_ERSR	3-8	1/11
9	V_ERSL	3-9	1/11
10	FM_HSW	3-10	4/11
11	A_CLK	3-11	1/11
12	A_DATA	3-12	1/11
13	A_LATCH	3-13	1/11
14	A_ENABLE	3-14	1/11
15	S_VIDEO(L)	3-15	4/11
16	CPN(L)		
17	CI_WIDE(L)	3-17	6/11
18	A_MASK	3-18	1/11
19	FAN(+)	FAN(+)	1/11
20	FAN(-)	FAN(-)	1/11

REF	DS555	DS545
IC2201	MN19041VSWA	MN19041VSWA
J2203	0	0
J2204	———	———
J2205	———	———
J2206	0	0
J2207	———	———
J2208	———	———
J2209	———	———
J2210	———	———
J2211	———	———
J2212	———	———
R2243	0	0
R2244	0	0

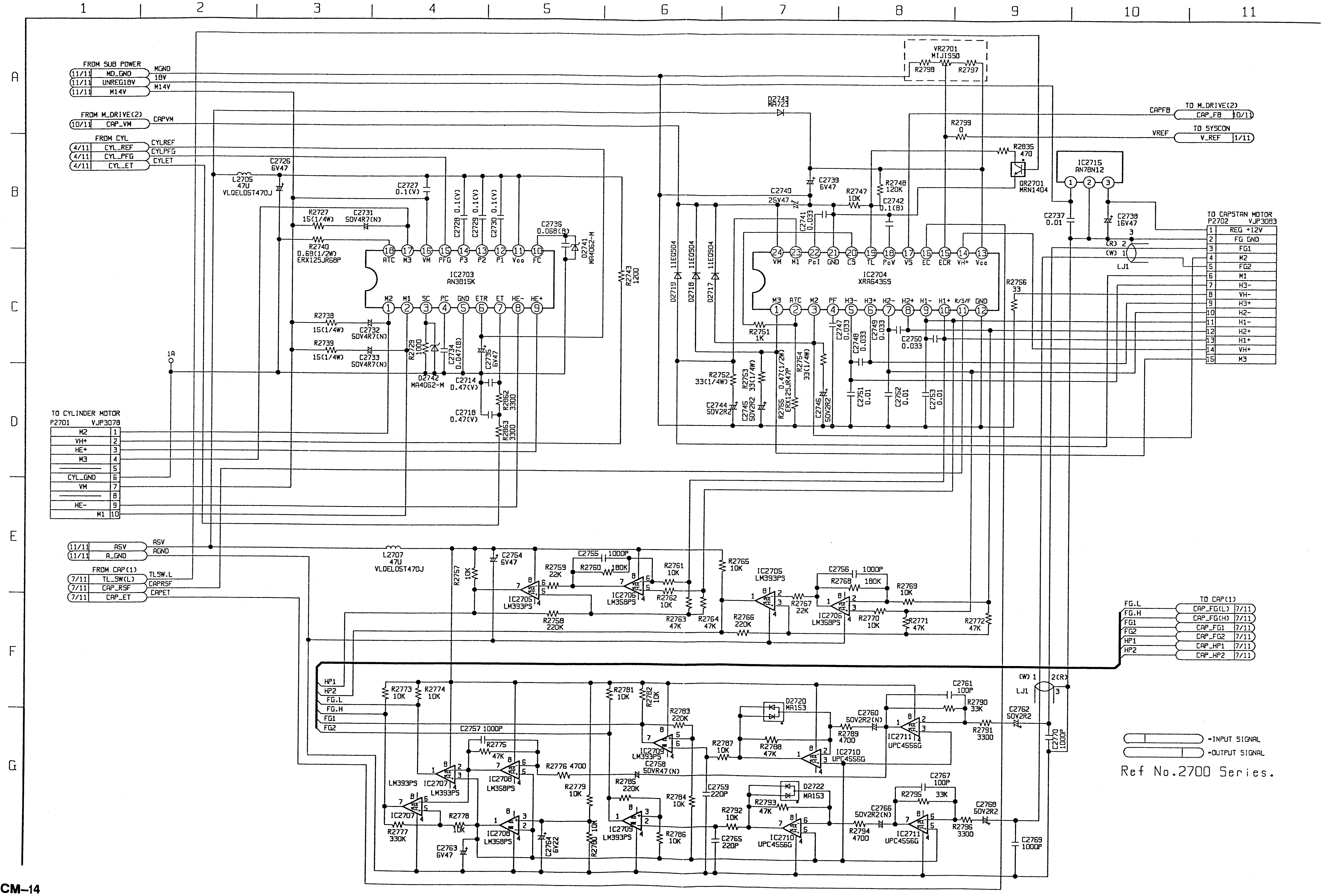
▭ -INPUT SIGNAL

▭ -OUTPUT SIGNAL

*-REFER TO THE COMPARISON CHART

Ref No.2200 Series.

MOTOR DRIVE (1) SCHEMATIC DIAGRAM 9/11


1
2
3
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7
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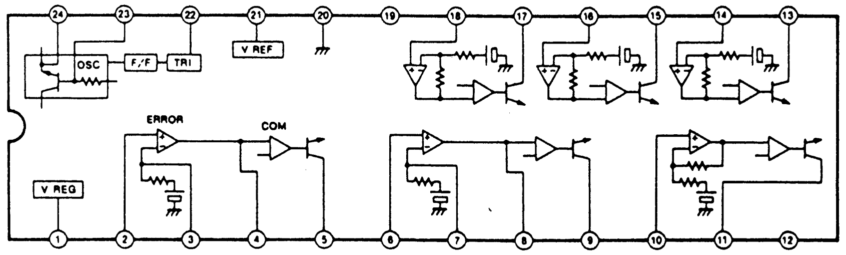
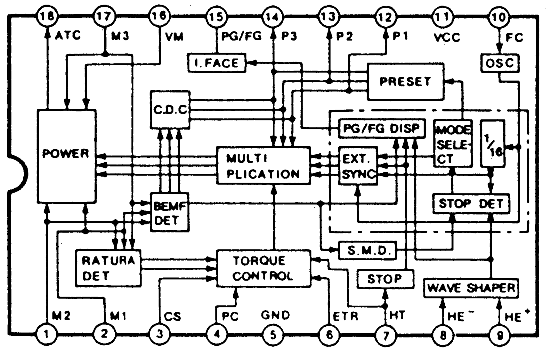
9
10
11
A
B
C
D
E
F
G
FROM SUB POWER
11/11 MD_GND
11/11 UNREG18V
11/11 M14V
MGND
18V
M14V
FROM M_DRIVE(2)
10/11 CAP_VM
CAPVM
FROM CYL
4/11 CYL_REF
4/11 CYL_PFG
4/11 CYL_ET
CYLREF
CYLPFG
CYLET
L2705 47U VLOELOST470J
C2726 6V47
C2727 0.1(V)
R2727 15(1/4W)
C2731 50V4R7(N)
R2740 0.68(1/2W) ERX125JR68P
C2728 0.1(V)
C2729 0.1(V)
C2730 0.1(V)
C2735 0.068(B)
D2741 MA4062-M
IC2703 AN3815K
ATC M3 VM PFG P3 P2 P1 Vcc FC
M2 M1 SC PC GND ETR ET HE- HE+
R2738 15(1/4W)
C2732 50V4R7(N)
R2739 15(1/4W)
C2733 50V4R7(N)
R2728 1000
C2734 0.047(B)
C2736 6V47
D2742 MA4062-M
C2714 0.47(V)
C2718 0.47(V)
R2862 3300
R2863 3300
R2743 1200
1A
TO CYLINDER MOTOR
P2701 VJP3078
M2 1
VH+ 2
HE+ 3
M3 4
5
CYL_GND 6
VM 7
8
HE- 9
M1 10
VR2701 MIJ1550
R2798
R2797
D2743 MA723
R2799 0
R2835 470
QR2701 MRN1404
C2739 6V47
R2748 120K
R2747 10K
C2742 0.1(B)
C2740 25V47
C2741 0.033
D2719 11ES04
D2718 11ES04
D2717 11ES04
IC2704 XRA6435S
VH M1 PcI GND CS TL PcV VS EC ECR VH+ Vcc
M3 ATC M2 PF H3- H3+ H2- H2+ H1- H1+ R/S/F GND
R2751 1K
R2752 33(1/4W)
R2753 33(1/4W)
R2754 33(1/4W)
R2755 0.47(1/2W) ERX125JR47P
C2744 50V2R2
C2745 50V2R2
C2746 50V2R2
C2747 0.033
C2748 0.033
C2749 0.033
C2750 0.033
C2751 0.01
C2752 0.01
C2753 0.01
R2756 33
IC2715 AN78N12
C2737 0.01
C2738 16V47
(R) 2
(W) 1
3
LJ1
CAPFB
TO M_DRIVE(2)
CAP_FB 10/11
VREF
TO SYSCON
V_REF 1/11
TO CAPSTAN MOTOR
P2702 VJP3083
1 REG +12V
2 FG GND
3 FG1
4 M2
5 FG2
6 M1
7 H3-
8 VH-
9 H3+
10 H2-
11 H1-
12 H2+
13 H1+
14 VH+
15 M3
11/11 A5V
11/11 A_GND
A5V
AGND
FROM CAP(1)
7/11 TL_SW(L)
7/11 CAP_RSF
7/11 CAP_ET
TLSW.L
CAPRSF
CAPET
L2707 47U VLOELOST470J
R2757 10K
C2754 6V47
R2759 22K
C2755 1000P
R2760 180K
R2761 10K
R2762 10K
R2765 10K
IC2705 LM393PS
IC2706 LM358PS
R2758 220K
R2763 47K
R2764 47K
R2766 220K
R2767 22K
C2756 1000P
R2768 180K
R2769 10K
R2770 10K
R2771 47K
R2772 47K
TO CAP(1)
FG.L CAP_FG(L) 7/11
FG.H CAP_FG(H) 7/11
FG1 CAP_FG1 7/11
FG2 CAP_FG2 7/11
HP1 CAP_HP1 7/11
HP2 CAP_HP2 7/11
HP1
HP2
FG.L
FG.H
FG1
FG2
R2773 10K
R2774 10K
C2757 1000P
R2775 47K
IC2707 LM393PS
IC2708 LM358PS
R2776 4700
R2777 330K
R2778 10K
C2763 6V47
C2764 6V22
R2779 10K
R2780 10K
R2781 10K
R2782 10K
R2783 220K
C2758 50VR47(N)
IC2709 LM393PS
R2785 220K
R2784 10K
R2786 10K
R2787 10K
D2720 MA153
C2760 50V2R2(N)
R2789 4700
R2788 47K
IC2710 UPC4556G
C2759 220P
D2722 MA153
R2792 10K
R2793 47K
C2765 220P
C2766 50V2R2(N)
R2794 4700
C2761 100P
R2790 33K
IC2711 UPC4556G
R2791 3300
C2762 50V2R2
C2770 1000P
C2767 100P
R2795 33K
C2768 50V2R2
R2796 3300
C2769 1000P
(W) 1
2(R)
LJ1
3
-INPUT SIGNAL
-OUTPUT SIGNAL
Ref No.2700 Series.

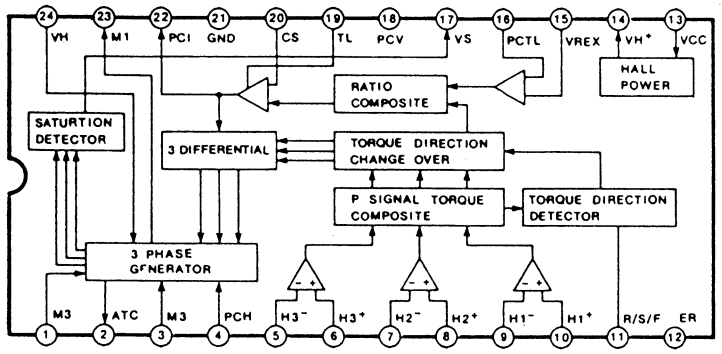
IC2701
BA6149LS


OSC
F/F
TRI
V REF
ERROR
COM
V REG
24 23 22 21 20 19 18 17 16 15 14 13
1 2 3 4 5 6 7 8 9 10 11 12

IC2703
AN3815K


ATC
M3
VM
PG/FG
P3
P2
P1
VCC
FC
I. FACE
PRESET
OSC
C.D.C
POWER
MULTI PLICATION
PG/FG DISP
EXT. SYNC
MODE SELECT
1/16
BEMF DET
STOP DET
S.M.D.
RATURA DET
TORQUE CONTROL
STOP
WAVE SHAPER
M2
M1
CS
PC
GND
ETR
HT
HE⁻
HE⁺
18 17 16 15 14 13 12 11 10
1 2 3 4 5 6 7 8 9

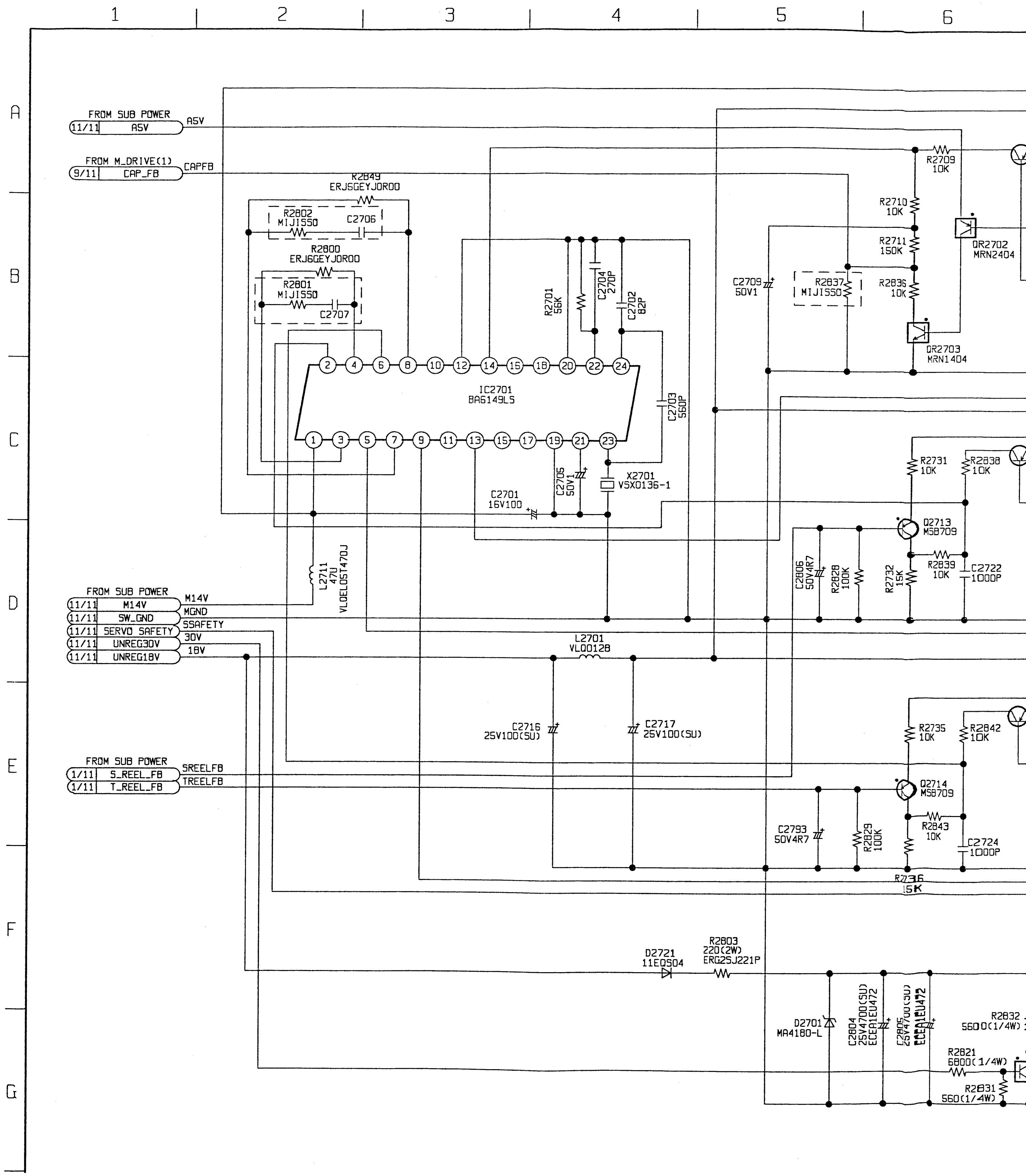
IC2704
XRA6435S


VH
M1
PCI
GND
CS
TL
PCV
VS
PCTL
VREX
VH⁺
VCC
RATIO COMPOSITE
HALL POWER
SATURTION DETECTOR
3 DIFFERENTIAL
TORQUE DIRECTION CHANGE OVER
P SIGNAL TORQUE COMPOSITE
TORQUE DIRECTION DETECTOR
3 PHASE GENERATOR
M3
ATC
M3
PCH
H3⁻
H3⁺
H2⁻
H2⁺
H1⁻
H1⁺
R/S/F
ER
24 23 22 21 20 19 18 17 16 15 14 13
1 2 3 4 5 6 7 8 9 10 11 12

O OR DRIVE (1), (2)

R NO.	IC2701 (SCM-15)																			
DE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	14.9	2.9	3.3	3.0	18.9	2.9	3.2	3.2	14.1	0	0.2	0	1.8	2.7	0.5	0.2	0.5	0.4	0	0
R	14.9	2.9	3.3	3.0	18.1	2.9	3.2	3.2	14.5	0.4	0.4	0	2.1	2.8	0.5	0.4	0.5	0.4	0	0
F	14.9	2.8	2.9	2.9	17.8	2.7	2.7	2.7	10.1	0.3	0.4	0	1.8	2.7	0.5	0.3	0.5	0.3	0	0
REF. NO.	IC2701 (SCM-15)																			
DE	21	22	23	24																
ST	2.6	2.5	2.9	2.7																
R	2.6	2.5	2.9	2.7																
F	2.6	2.5	2.9	2.8																
REF. NO.	IC2703 (SCM-14)																			
DE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
ST	14.7	14.7	0.4	1.1	0	2.5	2.4	0.6	0.5	2.6	5.0	3.6	3.6	3.6	1.1	14.9	14.7	0.1		
R	14.7	14.7	0.4	1.1	0	2.5	2.4	0.6	0.5	2.6	5.0	3.6	3.6	3.6	1.1	15.0	14.7	0.1		
FF	14.7	14.8	0.4	1.1	0	2.5	2.4	0.6	0.5	2.6	5.0	3.6	3.6	3.6	1.1	14.9	14.7	0.1		
REF. NO.	IC2704 (SCM-14)																			
DE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ST	9.4	0	9.4	1.4	1.9	1.9	1.9	1.9	1.9	1.9	2.6	0	4.7	3.4	2.4	2.4	0.2	0	0	0
REC	0.9	0	0.9	1.4	1.9	1.9	1.9	1.9	1.9	1.9	0	0	4.7	3.4	2.4	2.1	2.8	0.6	0.4	0.1
FF	9.4	0	9.4	1.4	1.9	1.9	1.9	1.9	1.9	1.9	2.6	0	4.7	3.4	2.4	2.4	0.2	0	0	0
R NO.	IC2704 (SCM-14)				IC2705 (SCM-14)								IC2706 (SCM-14)							
DE	21	22	23	24	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
STOP	0	0	9.4	4.0	0	3.2	1.7	0	2.2	0.5	5.0	5.0	3.2	1.9	1.9	0	1.9	1.9	0.5	5.0
REC	0	0.7	1.0	4.0	2.6	2.0	2.0	0	2.0	2.0	2.6	5.0	2.0	1.9	1.9	0	1.9	1.9	2.0	5.0
F	0	0	9.4	16.5	5.0	0.6	2.2	0	2.2	1.0	5.0	5.0	0.6	1.9	1.9	0	1.9	1.9	1.0	5.0
R NO.	IC2707 (SCM-14)								IC2708 (SCM-14)											
DE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8				
STOP	4.2	2.5	2.5	0	2.4	2.5	0	5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0				
R	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0				
F	4.1	2.5	2.5	0	2.5	2.5	0	5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0				
R . NO.	IC2709 (SCM-14)								IC2710 (SCM-14)											
DE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8				
ST	0.1	2.5	2.4	0	2.4	2.5	4.5	5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	52.0				
R	2.3	2.5	2.5	0	2.5	2.5	2.3	5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0				
R	0.1	2.5	2.4	0	2.4	2.5	4.5	5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0				
REF. NO.	IC2711 (SCM-14)								IC2715 (SCM-14)											
DE	1	2	3	4	5	6	7	8	I	G	O									
ST	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0	18.4	0	12.0									
R	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0	18.4	0	12.0									
FF	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0	18.3	0	12.0									
REF. NO.	QR2701 (SCM-14)			QR2702 (SCM-15)			QR2703 (SCM-15)			QR2704 (SCM-15)										
DE	E	C	B	E	C	B	E	C	B	E	C	B								
ST	0	0	5.1	5.0	1.4	4.0	0	0.3	0	0	0.1	2.4								
REC	0	0.4	0	5.0	1.4	4.0	0	1.6	1.4	0	0.1	2.5								
FF	0	0	5.2	5.0	0	16.4	0	1.8	1.2	0	0.1	2.4								

MOTOR DRIVE (2) SCHEMATIC DIAGRAM 10/11


1
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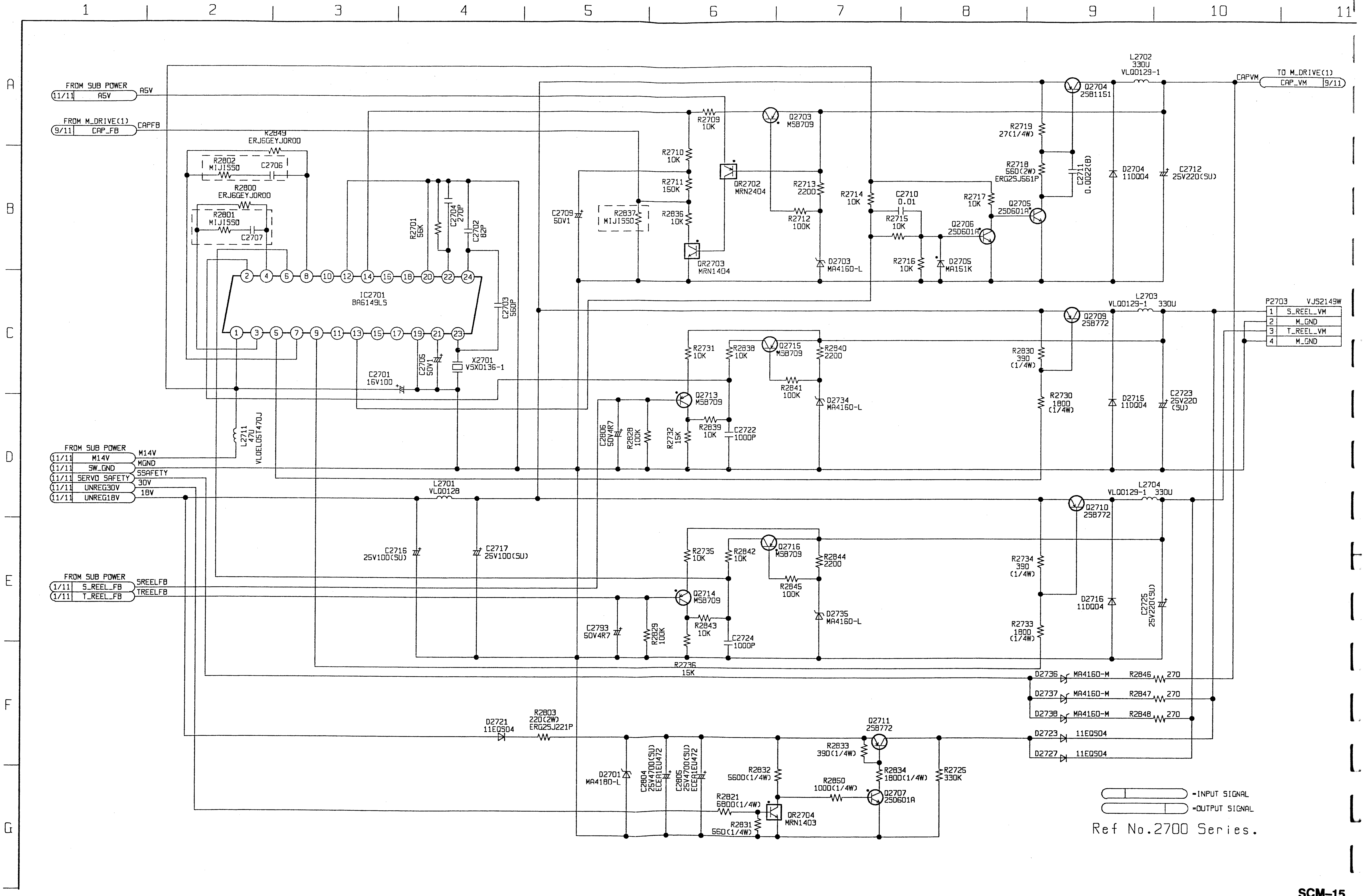
3
4
5
6
A
B
C
D
E
F
G
FROM SUB POWER
11/11 A5V
A5V
FROM M_DRIVE(1)
9/11 CAP_FB
CAPFB
R2849
ERJ6GEYJOR00
R2802
MIJISS0
C2706
R2800
ERJ6GEYJOR00
R2801
MIJISS0
C2707
R2701
56K
C2704
270P
C2702
82P
IC2701
BA6149LS
C2703
560P
C2705
50V1
X2701
VSX0136-1
C2701
16V100
L2711
47U
VLOEL0ST470J
FROM SUB POWER
11/11 M14V
11/11 SW_GND
11/11 SERVO SAFETY
11/11 UNREG30V
11/11 UNREG18V
M14V
MGND
SSAFETY
30V
18V
L2701
VL00128
C2716
25V100(SU)
C2717
25V100(SU)
FROM SUB POWER
1/11 S_REEL_FB
1/11 T_REEL_FB
SREELFB
TREELFB
R2709
10K
R2710
10K
R2711
150K
QR2702
MRN2404
C2709
50V1
R2837
MIJISS0
R2836
10K
QR2703
MRN1404
R2731
10K
R2838
10K
Q2713
MSB709
C2806
50V4R7
R2828
100K
R2732
15K
R2839
10K
C2722
1000P
R2735
10K
R2842
10K
Q2714
MSB709
C2793
50V4R7
R2829
100K
R2843
10K
C2724
1000P
R2736
15K
D2721
11EQS04
R2803
220(2W)
ERG2SJ221P
D2701
MA4180-L
C2804
25V4700(SU)
ECEA1EU472
C2805
25V4700(SU)
ECEA1EU472
R2832
560(1/4W)
R2821
6800(1/4W)
R2831
560(1/4W)

MOTOR DRIVE (2) SCHEMATIC DIAGRAM 10/11


1
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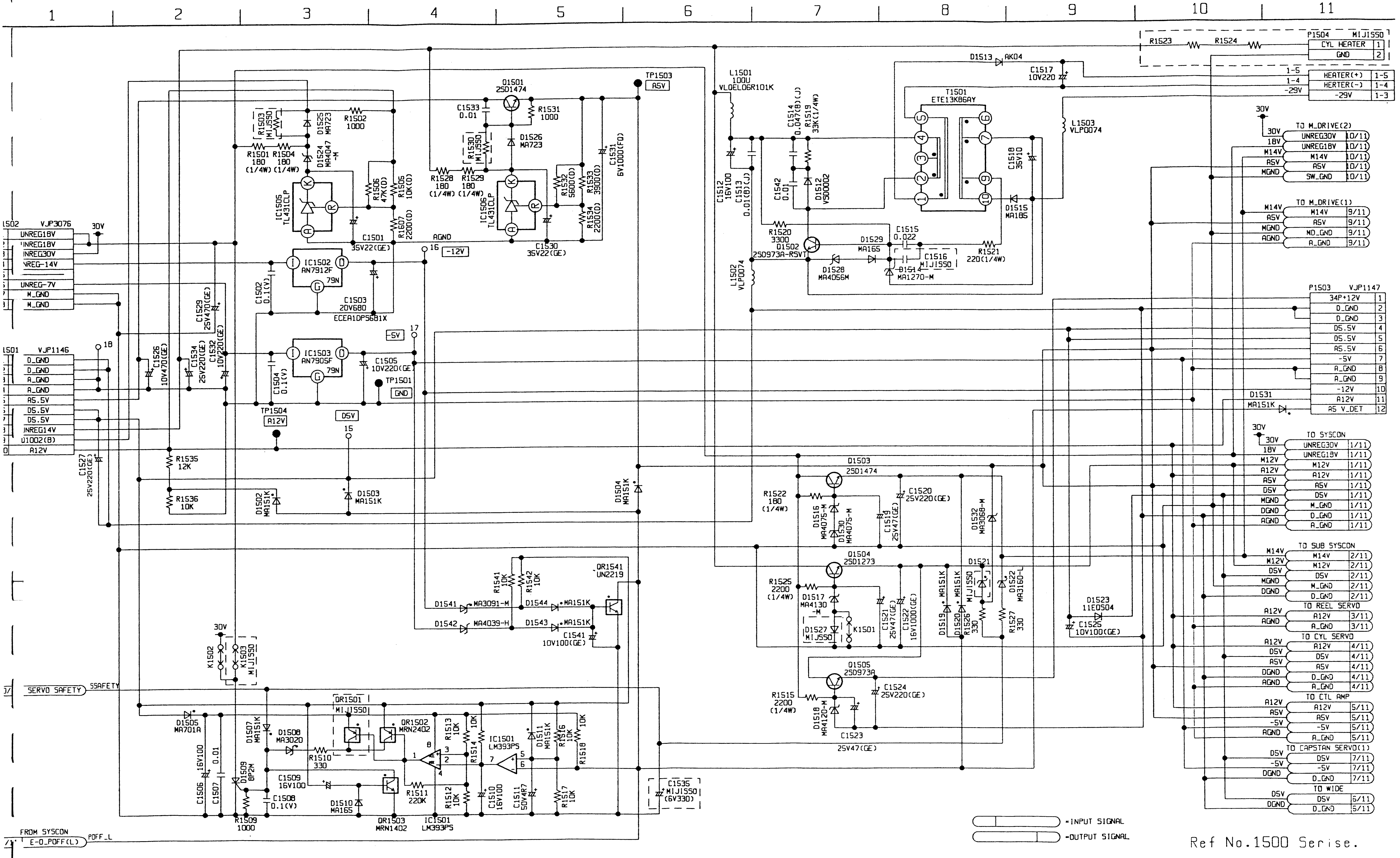
11
A
B
C
D
E
F
G
FROM SUB POWER
11/11 A5V
A5V
FROM M_DRIVE(1)
9/11 CAP_FB
CAPFB
R2849 ERJ6GEYJ0R00
R2802 MIJ1550
C2706
R2800 ERJ6GEYJ0R00
R2801 MIJ1550
C2707
R2701 56K
C2704 270P
C2702 82P
C2703 560P
IC2701 BA6149LS
C2705 50V1
X2701 VSX0136-1
C2701 16V100
L2711 47U VLOEL05T470J
FROM SUB POWER
11/11 M14V
11/11 SW_GND
11/11 SERVO SAFETY
11/11 UNREG30V
11/11 UNREG18V
M14V
MGND
SSAFETY
30V
18V
L2701 VLQ0128
C2716 25V100(SU)
C2717 25V100(SU)
FROM SUB POWER
1/11 S_REEL_FB
1/11 T_REEL_FB
SREELFB
TREELFB
D2721 11EQS04
R2803 220(2W) ERG2SJ221P
C2709 50V1
R2837 MIJ1550
R2709 10K
R2710 10K
R2711 150K
R2836 10K
QR2702 MRN2404
QR2703 MRN1404
Q2703 MSB709
R2713 2200
R2712 100K
D2703 MA4160-L
R2714 10K
C2710 0.01
R2715 10K
R2716 10K
D2705 MA151K
Q2706 2SD601A
R2717 10K
Q2705 2SD601A
R2719 27(1/4W)
R2718 560(2W) ERG2SJ561P
C2711 0.0022(B)
Q2704 2SB1151
L2702 330U VLQ0129-1
D2704 11DQ04
C2712 25V220(SU)
CAPVM
TO M_DRIVE(1)
CAP_VM 9/11
R2731 10K
R2838 10K
Q2715 MSB709
R2840 2200
R2841 100K
D2734 MA4160-L
Q2713 MSB709
C2806 50V4R7
R2828 100K
R2732 15K
R2839 10K
C2722 1000P
R2830 390 (1/4W)
R2730 1800 (1/4W)
Q2709 2SB772
L2703 VLQ0129-1 330U
D2715 11DQ04
C2723 25V220 (SU)
P2703 VJS2149W
1 S_REEL_VM
2 M_GND
3 T_REEL_VM
4 M_GND
R2735 10K
R2842 10K
Q2716 MSB709
R2844 2200
R2845 100K
D2735 MA4160-L
Q2714 MSB709
C2793 50V4R7
R2829 100K
R2843 10K
C2724 1000P
R2736 15K
R2734 390 (1/4W)
R2733 1800 (1/4W)
Q2710 2SB772
L2704 VLQ0129-1 330U
D2716 11DQ04
C2725 25V220(SU)
D2736 MA4160-M
R2846 270
D2737 MA4160-M
R2847 270
D2738 MA4160-M
R2848 270
D2723 11EQS04
D2727 11EQS04
D2701 MA4160-L
C2804 25V4700(SU) ECEA1EU472
C2805 25V4700(SU) ECEA1EU472
R2821 6800(1/4W)
R2831 560(1/4W)
QR2704 MRN1403
R2832 5600(1/4W)
R2833 390(1/4W)
Q2711 2SB772
R2834 1800(1/4W)
R2850 1000(1/4W)
Q2707 2SD601A
R2725 330K
=INPUT SIGNAL
=OUTPUT SIGNAL
Ref No.2700 Series.

POWER SCHEMATIC DIAGRAM 11/11


1
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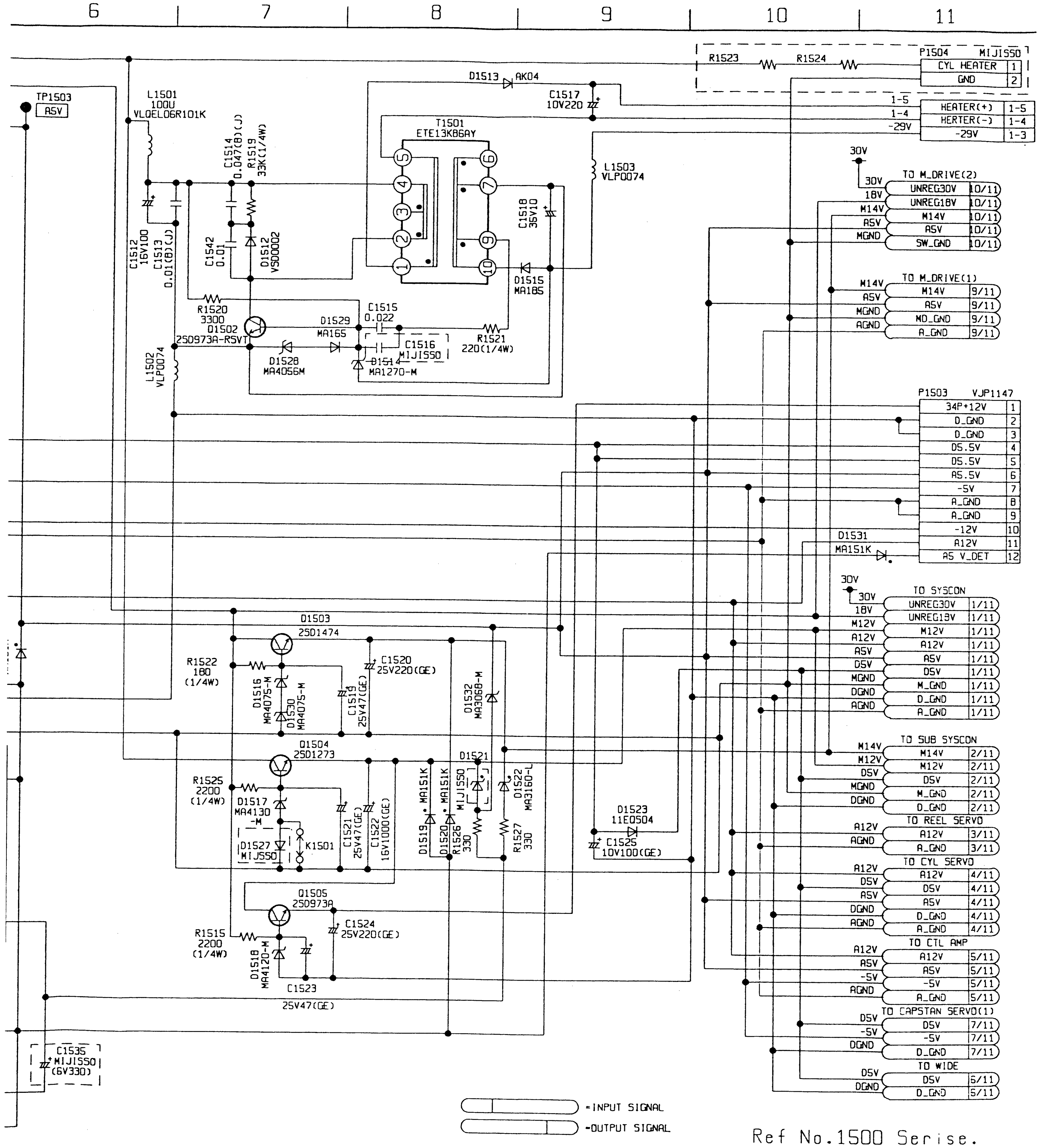
11
P1502 VJP3076
UNREG18V
UNREG18V
UNREG30V
UNREG-14V
UNREG-7V
M_GND
M_GND
P1501 VJP1146
D_GND
D_GND
A_GND
A_GND
A5.5V
D5.5V
D5.5V
UNREG14V
U1002(B)
A12V
30V
18
IC1505 TL431CLP
IC1506 TL431CLP
IC1502 AN7912F 79N
IC1503 AN7905F 79N
D1501 2SD1474
R1501 180 (1/4W)
R1504 180 (1/4W)
R1502 1000
R1503 MIJ1550
D1525 MA723
D1524 MA4047-M
R1506 47K(D)
R1505 10K(D)
R1607 2200(D)
C1501 35V22(GE)
AGND
16 -12V
C1502 0.1(V)
C1503 20V680 ECEA1DPS681X
C1504 0.1(V)
C1505 10V220(GE)
TP1501 GND
TP1504 A12V
D5V 15
-5V 17
C1529 25V470(GE)
C1526 10V470(GE)
C1534 25V220(GE)
C1532 10V220(GE)
C1527 25V220(GE)
R1535 12K
R1536 10K
D1502 MA151K
D1503 MA151K
D1504 MA151K
C1533 0.01
R1531 1000
R1530 MIJ1550
D1526 MA723
R1528 180 (1/4W)
R1529 180 (1/4W)
R1532 5600(D)
R1533 3900(D)
R1534 2200(D)
C1530 35V22(GE)
C1531 6V1000(FD)
TP1503 A5V
L1501 100U VL0EL06R101K
C1512 16V100
C1513 0.01(B)(J)
C1514 0.047(B)(J)
R1519 33K(1/4W)
C1542 0.01
D1512 VS0002
R1520 3300
Q1502 2SD973A-RSVT
D1529 MA165
C1515 0.022
C1516 MIJ1550
D1514 MA1270-M
D1528 MA4056M
R1521 220(1/4W)
L1502 VLP0074
T1501 ETE13K86AY
C1518 35V10
D1515 MA185
L1503 VLP0074
D1513 AK04
C1517 10V220
R1523
R1524
P1504 MIJ1550
CYL HEATER 1
GND 2
HEATER(+) 1-5
HERTER(-) 1-4
-29V 1-3
TO M_DRIVE(2)
UNREG30V 10/11
UNREG18V 10/11
M14V 10/11
A5V 10/11
SW_GND 10/11
TO M_DRIVE(1)
M14V 9/11
A5V 9/11
MD_GND 9/11
A_GND 9/11
P1503 VJP1147
34P+12V 1
D_GND 2
D_GND 3
D5.5V 4
D5.5V 5
A5.5V 6
-5V 7
A_GND 8
A_GND 9
-12V 10
A12V 11
A5 V_DET 12
D1531 MA151K
TO SYSCON
UNREG30V 1/11
UNREG18V 1/11
M12V 1/11
A12V 1/11
A5V 1/11
D5V 1/11
M_GND 1/11
D_GND 1/11
A_GND 1/11
TO SUB SYSCON
M14V 2/11
M12V 2/11
D5V 2/11
M_GND 2/11
D_GND 2/11
TO REEL SERVO
A12V 3/11
A_GND 3/11
TO CYL SERVO
A12V 4/11
D5V 4/11
A5V 4/11
D_GND 4/11
A_GND 4/11
TO CTL AMP
A12V 5/11
A5V 5/11
-5V 5/11
A_GND 5/11
TO CAPSTAN SERVO(1)
D5V 7/11
-5V 7/11
D_GND 7/11
TO WIDE
D5V 6/11
D_GND 6/11
Q1503 2SD1474
R1522 180 (1/4W)
C1520 25V220(GE)
D1516 MA4075-M
D1530 MA4075-M
C1519 25V47(GE)
D1532 MA3068-M
Q1504 2SD1273
R1525 2200 (1/4W)
D1517 MA4130
D1527 MIJ550
K1501
C1521 25V47(GE)
C1522 16V1000(GE)
D1519 MA151K
D1520 MA151K
R1526 330
D1521 MIJ1550
D1522 MA3160-L
R1527 330
D1523 11E0504
C1525 10V100(GE)
Q1505 2SD973A
R1515 2200 (1/4W)
D1518 MA4120-M
C1524 25V220(GE)
C1523 25V47(GE)
QR1541 UN2219
R1541 10K
R1542 10K
D1541 MA3091-M
D1542 MA4039-H
D1544 MA151K
D1543 MA151K
C1541 10V100(GE)
K1502
K1503 MIJ1550
SERVO SAFETY
SSAFETY
D1505 MA701A
C1506 16V100
C1507 0.01
D1507 MA151K
D1509 BP2M
R1509 1000
D1508 MA3020
R1510 330
C1509 16V100
C1508 0.1(V)
D1510 MA165
QR1501 MIJ1550
QR1502 MRN2402
QR1503 MRN1402
R1511 220K
IC1501 LM393PS
R1513 10K
R1514
R1512 10K
C1510 16V100
C1511 50V4R7
D1511 MA151K
R1516 10K
R1517 10K
R1518
C1535 MIJ1550 (6V330)
FROM SYSCON
E-O_POFF(L)
POFF_L
=INPUT SIGNAL
=OUTPUT SIGNAL
Ref No.1500 Serise.

SUB POWER

REF. NO. / MODE	1
STOP	4.7
REC	4.7
FF	4.7

REF. NO. / MODE	IC1
	K
STOP	5.9
REC	5.9
FF	5.9

REF. NO. / MODE	Q1
	E
STOP	5.1
REC	5.1
FF	5.1



6
7
8
9
10
11
TP1503
A5V
L1501
100U
VLQEL06R101K
C1512
16V100
C1513
0.01(B)(J)
C1514
0.047(B)(J)
R1519
33K(1/4W)
C1542
0.01
D1512
VSD0002
T1501
ETE13K86AY
D1513
AK04
C1517
10V220
R1523
R1524
P1504
MIJ1550
CYL HEATER
GND
HEATER(+)
HERTER(-)
-29V
1-5
1-4
1-3
L1503
VLP0074
C1518
35V10
D1515
MA185
R1520
3300
Q1502
2SD973A-RSVT
D1529
MA165
C1515
0.022
C1516
MIJ1550
D1514
MA1270-M
R1521
220(1/4W)
D1528
MA4056M
L1502
VLP0074
30V
TO M_DRIVE(2)
UNREG30V
UNREG18V
M14V
A5V
SW_GND
10/11
18V
MGND
TO M_DRIVE(1)
M14V
A5V
MD_GND
A_GND
9/11
AGND
P1503
VJP1147
34P+12V
D_GND
D5.5V
A5.5V
-5V
A_GND
-12V
A12V
A5 V_DET
D1531
MA151K
TO SYSCON
UNREG30V
UNREG18V
M12V
A12V
A5V
D5V
M_GND
D_GND
A_GND
1/11
DGND
Q1503
2SD1474
R1522
180
(1/4W)
D1516
MA4075-M
D1530
MA4075-M
C1519
25V47(GE)
C1520
25V220(GE)
D1532
MA3068-M
Q1504
2SD1273
R1525
2200
(1/4W)
D1517
MA4130
-M
D1527
MIJ550
K1501
C1521
25V47(GE)
C1522
16V100(GE)
D1519
MA151K
D1520
MA151K
MIJ1550
R1526
330
D1521
D1522
MA3160-L
R1527
330
D1523
11EQS04
C1525
10V100(GE)
TO SUB SYSCON
2/11
TO REEL SERVO
3/11
TO CYL SERVO
4/11
TO CTL AMP
5/11
TO CAPSTAN SERVO(1)
7/11
TO WIDE
6/11
Q1505
2SD973A
R1515
2200
(1/4W)
D1518
MA4120-M
C1524
25V220(GE)
C1523
25V47(GE)
C1535
MIJ1550
(6V330)
-INPUT SIGNAL
-OUTPUT SIGNAL

Ref No.1500 Serise.

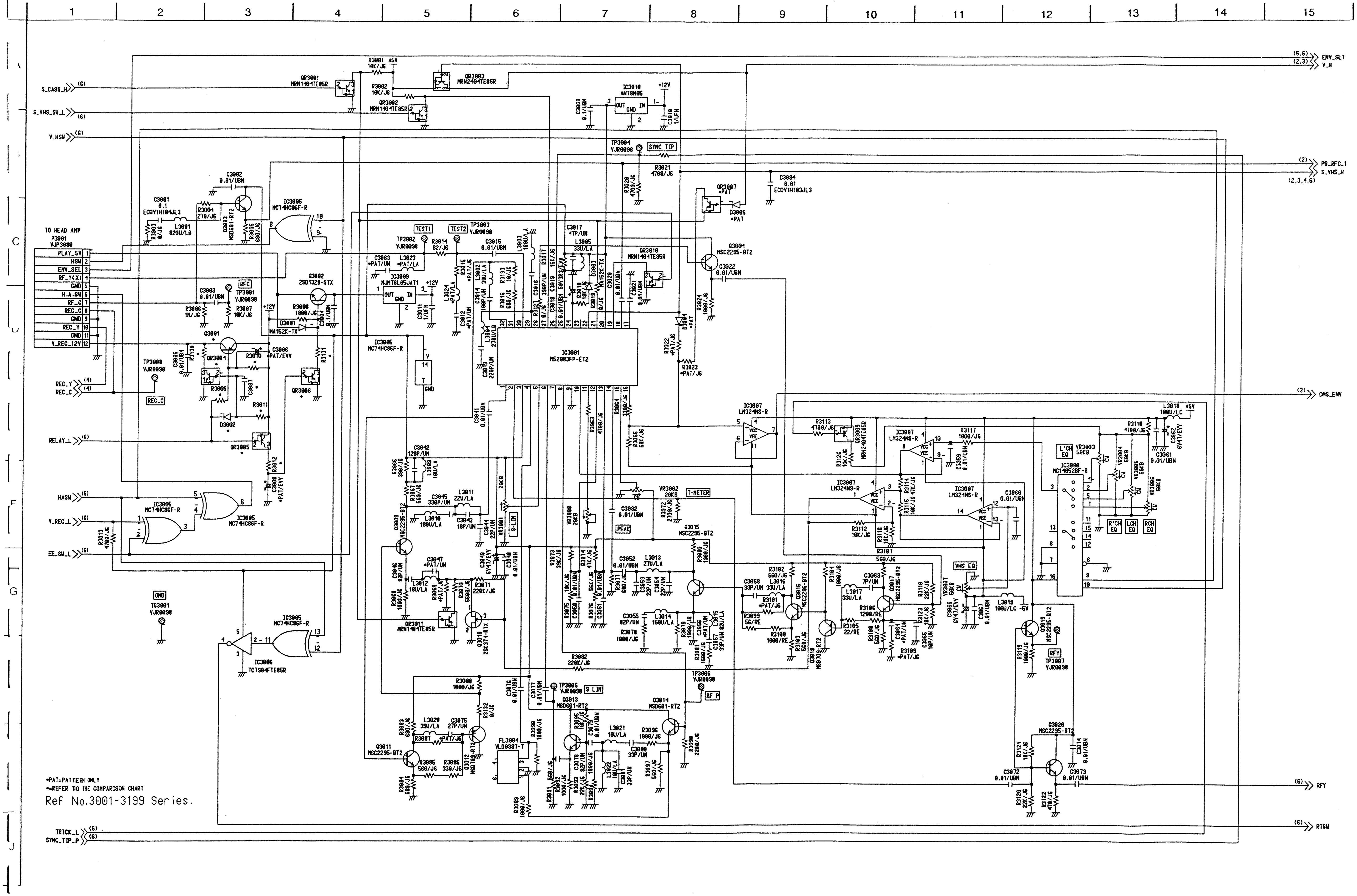
SUB POWER

REF. NO. / MODE	IC1501								IC1502			IC1503			IC1505		
	1	2	3	4	5	6	7	8	G	I	O	G	I	O	K	A	R
STOP	4.7	0.1	2.7	0	2.7	5.3	0.1	5.3	0	-14.7	-12.2	0	-7.0	-5.0	7.7	0	2.5
REC	4.7	0.1	2.7	0	2.7	5.3	0.1	5.3	0	-14.7	-12.2	0	-7.0	-5.0	7.7	0	2.5
FF	4.7	0.1	2.7	0	2.7	5.3	0.1	5.3	0	-14.7	-12.2	0	-6.9	-5.0	7.7	0	2.5

REF. NO. / MODE	IC1506		
	K	A	R
STOP	5.9	0	2.5
REC	5.9	0	2.5
FF	5.9	0	2.5

REF. NO. / MODE	Q1501			Q1502			Q1503			Q1504			Q1505		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.1	5.4	5.7	0	5.3	-3.0	14.8	18.3	15.4	13.0	13.6	13.5	12.0	13.0	12.3
REC	5.1	5.4	5.7	0	5.6	-3.0	15.0	18.5	15.5	13.0	13.4	13.5	12.0	12.9	12.3
FF	5.1	5.4	5.7	0	4.7	-3.0	15.0	18.1	15.4	13.0	13.5	13.5	12.0	12.9	12.3

VIDEO I/O (1) SCHEMATIC DIAGRAM 1/7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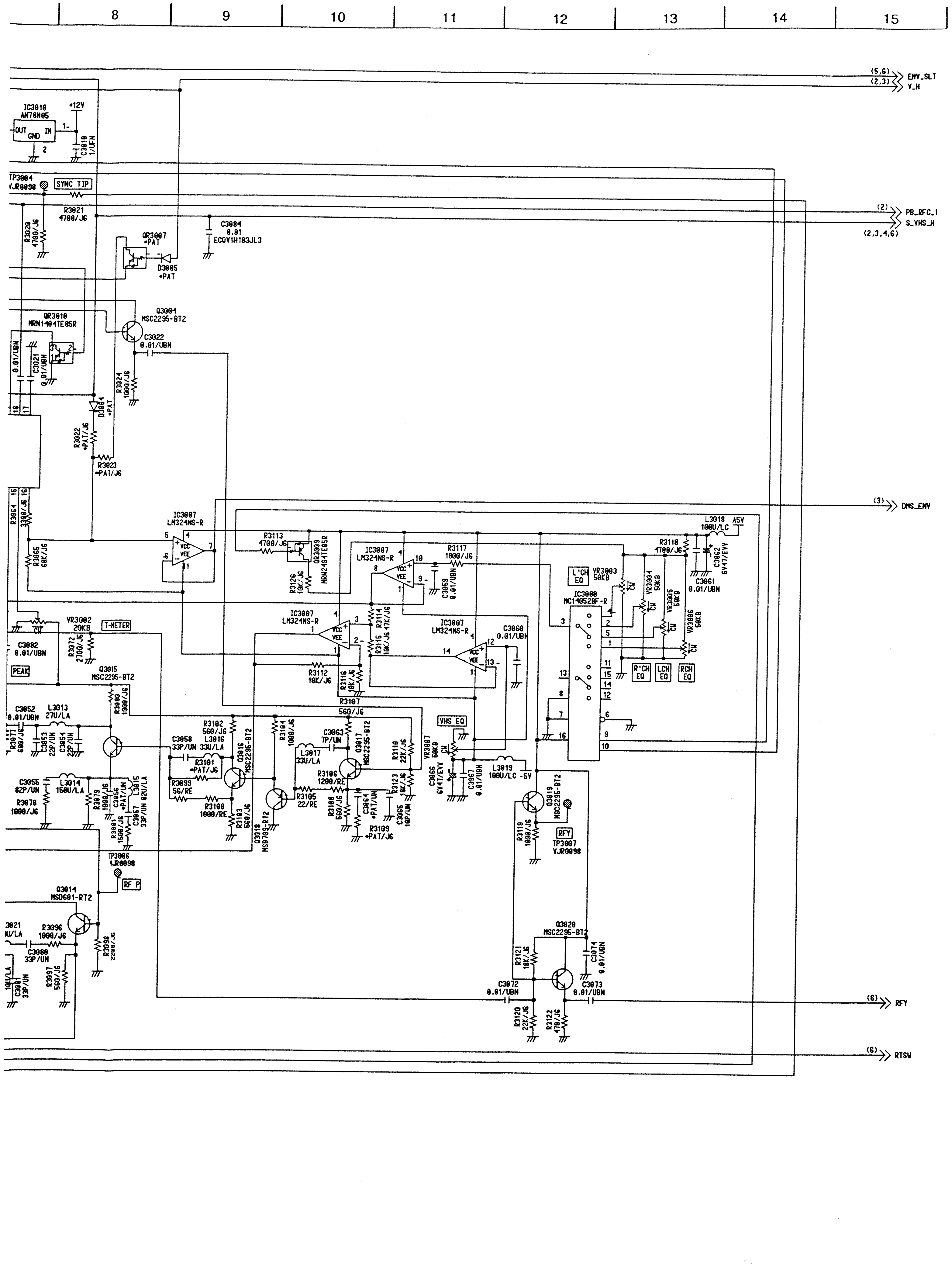
H
I
J
S_CASS_H
S_VHS_SW_L
V_HSW
TO HEAD AMP
P3001
VJP3080
PLAY_5V
HSW
ENV_SEL
RF_Y(X)
GND
H.A.SW
RF_C
REC_C
GND
REC_Y
GND
V_REC_12V
REC_Y
REC_C
RELAY_L
HASW
V_REC_L
EE_SW_L
TRICK_L
SYNC_TIP_P
ENV_SLT
V_H
PB_RFC_1
S_VHS_H
DMS_ENV
RFY
RTSW
QR3001
MRN1404TE85R
QR3002
MRN1404TE85R
QR3003
MRN2404TE85R
R3001 A5V
10K/J6
R3002
10K/J6
IC3010
AN78N05
+12V
OUT
GND
IN
C3009
0.1/UFN
C3010
1/UFN
TP3004
VJR0098
SYNC TIP
R3021
4700/J6
R3020
4700/J6
C3004
0.01
ECQV1H103JL3
QR3007
*PAT
D3005
*PAT
C3002
0.01/UBN
C3001
0.1
ECQV1H104JL3
L3001
820U/LB
R3004
270/J6
Q3003
MSD601-RT2
R3005
680/J6
IC3005
MC74HC86F-R
TEST1
TEST2
TP3002
VJR0098
TP3003
VJR0098
R3014
82/J6
C3015
0.01/UBN
C3003
*PAT/UN
L3023
*PAT/LA
IC3009
NJM78L05UAT1
+12V
C3017
47P/UN
L3005
33U/LA
QR3010
MRN1404TE85R
Q3004
MSC2295-BT2
C3022
0.01/UBN
R3024
1000/J6
C3083
0.01/UBN
RFC
TP3001
VJR0098
R3006
1K/J6
R3007
10K/J6
Q3002
2SD1328-STX
R3008
1000/J6
D3001
MA152K-TX
Q3001
QR3004
C3006
*PAT/EVV
R3010
QR3006
R3131
IC3001
M52083FP-ET2
TP3008
VJR0098
REC_C
R3009
D3002
R3011
QR3005
R3012
C3008
*PAT/EVV
R3022
*PAT/J6
R3023
*PAT/J6
C3041
0.01/UBN
C3042
120P/UN
L3009
100U/LA
R3066
390/J6
R3067
560/J6
C3045
330P/UN
L3011
22U/LA
L3010
100U/LA
C3043
18P/UN
C3044
22P/UN
VR3001
S-LIM
Q3009
MSC2295-BT2
C3046
82P/UN
C3047
*PAT/UN
L3012
10U/LA
R3068
1000/J6
R3069
*PAT/J6
R3070
560/J6
R3071
220K/J6
Q3010
2SC374-RTX
QR3011
MRN1404TE85R
C3048
6V47/EVV
C3049
0.01/UBN
R3065
68K/J6
R3064
3300/J6
R3063
4700/J6
VR3002
20K8
T-METER
C3082
0.01/UBN
PEAK
R3072
2700/J6
Q3015
MSC2295-BT2
VR3008
R3073
39K/J6
R3074
47K/J6
C3052
0.01/UBN
L3013
27U/LA
C3053
22P/UN
C3054
22P/UN
R3080
1000/J6
C3055
82P/UN
L3014
150U/LA
R3078
1000/J6
R3079
1000/J6
C3056
*PAT/UN
L3015
820/LA
C3057
33P/UN
R3081
150/J6
IC3007
LM324NS-R
R3113
4700/J6
QR3012
MRN1404TE85R
R3126
10K/J6
R3117
1000/J6
C3059
0.01/UBN
R3114
47K/J6
R3115
10K/J6
R3112
10K/J6
R3116
10K/J6
R3107
560/J6
C3060
0.01/UBN
C3058
33P/UN
R3099
56/RE
R3102
560/J6
L3016
33U/LA
R3101
*PAT/J6
R3100
1000/RE
Q3016
MSC2295-BT2
R3103
560/J6
Q3018
MS9703-RT2
R3104
1000/J6
C3063
7P/UN
L3017
33U/LA
R3106
1200/RE
R3105
22/RE
Q3017
MSC2295-BT2
R3108
R3118
22K/J6
R3109
*PAT/J6
R3123
10K/J6
C3065
10P/UN
VHS EQ
VR3007
68K8
C3066
6V47/EVV
C3067
0.01/UBN
L3019
100U/LC -5V
L3018 A5V
100U/LC
R3118
4700/J6
C3062
6V47/EVV
C3061
0.01/UBN
L'CH EQ
VR3003
50K8
IC3008
MC14052BF-R
VR3004
VR3005
50K8
VR3006
50K8
R'CH EQ
LCH EQ
RCH EQ
Q3019
MSC2295-BT2
R3119
1000/J6
RFY
TP3007
VJR0098
Q3020
MSC2295-BT2
R3121
10K/J6
C3074
0.01/UBN
C3072
0.01/UBN
C3073
0.01/UBN
R3120
22K/J6
R3122
470/J6
GND
TC3001
VJR0098
IC3006
TC7S04FTE85R
R3013
4700/J6
R3082
220K/J6
TP3006
VJR0098
RF P
R3088
1000/J6
C3076
0.01/UBN
C3077
0.01/UBN
TP3005
VJR0098
S LIM
Q3013
MSD601-RT2
Q3014
MSD601-RT2
R3083
680/J6
L3020
39U/LA
C3075
27P/UN
R3132
0/J6
R3087
*PAT/J6
Q3011
MSC2295-BT2
R3085
560/J6
R3086
330/J6
Q3012
MS9703-RT2
R3084
680/J6
FL3001
VLD8387-T
R3090
100/J6
L3021
10U/LA
R3096
1000/J6
C3080
33P/UN
L3022
10U/LA
C3081
33P/UN
R3097
560/J6
R3098
2200/J6
R3089
1000/J6
(6)
(5,6)
(2,3)
(2)
(2,3,4,6)
(3)
(4)
(5)

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.3001-3199 Series.

VIDEO I/

REF. NO. / MODE	
	E
PLAY	0
REC	0
REF. NO. / MODE	E
PLAY	4.
REC	4.
REF. NO. / MODE	E
PLAY	11
REC	11
REF. NO. / MODE	E
PLAY	0
REC	0.
REF. NO. / MODE	E
PLAY	1
REC	1.
REF. NO. / MODE	
PLAY	3.
REC	3.
REF. NO. / MODE	2
PLAY	0
REC	3.
REF. NO. / MODE	1
PLAY	3.
REC	0
REF. NO. / MODE	1
PLAY	0
REC	0
REF. NO. / MODE	1
PLAY	-0
REC	-0
REF. NO. / MODE	1
PLAY	2.
REC	2.
REF. NO. / MODE	1
PLAY	4.
REC	4.
REF. NO. / MODE	1
PLAY	11
REC	11



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(5,6) EMV_SLT
(2,3) V_H
(2) PB_RFC_1
S_VHS_H
(2,3,4,6)
(3) DMS_ENV
(6) RFY
(6) RTSW
IC3010 AN78N05
+12V
OUT GND IN
C3010 1/UFN
TP3004 VJR0098
SYNC TIP
R3021 4700/J6
R3020 4700/J6
C3084 0.01 ECQV1H103JL3
QR3007 *PAT
D3005 *PAT
QR3010 MRN1404TE85R
Q3004 MSC2295-BT2
C3022 0.01/UBN
C3021 0.01/UBN
R3024 1000/J6
D3004 *PAT
R3022 *PAT/J6
R3023 *PAT/J6
R3064 3300/J6
R3065 68K/J6
IC3007 LM324NS-R
R3113 4700/J6
QR3009 MRN2404TE85R
R3126 10K/J6
R3117 1000/J6
C3059 0.01/UBN
L3018 100U/LC
A5V
R3118 4700/J6
C3062 6V47/EVY
C3061 0.01/UBN
L'CH EQ
VR3003 50KB
IC3008 MC14052BF-R
VR3004 50KB
VR3005 50KB
VR3006 50KB
R'CH EQ
LCH EQ
RCH EQ
VR3002 20KB
T-METER
C3082 0.01/UBN
R3072 2700/J6
PEAK
Q3015 MSC2295-BT2
R3114 47K/J6
R3115 10K/J6
R3112 10K/J6
R3116 10K/J6
C3060 0.01/UBN
R3107 560/J6
C3052 0.01/UBN
L3013 27U/LA
R3080 1000/J6
C3058 33P/UN
L3016 33U/LA
R3102 560/J6
R3101 *PAT/J6
Q3016 MSC2295-BT2
R3104 1000/J6
C3063 7P/UN
L3017 33U/LA
Q3017 MSC2295-BT2
R3106 1200/RE
R3105 22/RE
R3110 22K/J6
VR3007 50KB
VHS EQ
C3066 6V47/EVY
C3067 0.01/UBN
L3019 100U/LC -5V
R3099 56/RE
R3100 1000/RE
R3103 560/J6
Q3018 MSB709-RT2
R3108 560/J6
C3064 *PAT/UN
R3109 *PAT/J6
R3123 10K/J6
C3065 10P/UN
C3055 82P/UN
L3014 150U/LA
R3078 1000/J6
Q3019 MSC2295-BT2
R3119 1000/J6
RFY
TP3007 VJR0098
TP3006 VJR0098
RF P
Q3014 MSD601-RT2
R3096 1000/J6
C3080 33P/UN
R3097 560/J6
R3098 2200/J6
Q3020 MSC2295-BT2
R3121 10K/J6
C3074 0.01/UBN
C3072 0.01/UBN
C3073 0.01/UBN
R3120 22K/J6
R3122 470/J6

VIDEO I/O (1)

REF. NO. / MODE	QR3001			QR3002			QR3003			QR3004			QR3005			QR3006		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	0	0	3.8	0	4.8	0	4.8	4.8	0.4	0	0	8.1	11.5	0	11.5	0	5.6	0
REC	0	3.6	0	0	4.8	0	4.8	4.8	0.3	0	11.3	0.5	11.4	11.4	0	0	0	7.7

REF. NO. / MODE	QR3009			QR3010			QR3011		
	E	C	B	E	C	B	E	C	B
PLAY	4.8	0	4.5	0	0	4.8	0	0	0
REC	4.8	3.5	4.5	0	2.4	0	0	0	3.6

REF. NO. / MODE	Q3001			Q3002			Q3003			Q3004			Q3009			Q3010		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	G	S	D
PLAY	11.5	0	11.5	4.9	4.9	5.6	1.5	4.9	2.1	1.8	4.9	2.6	0.7	4.4	1.4	-0.4	0	0
REC	11.4	11.3	10.7	0.2	4.9	0.1	0	4.9	0	1.8	4.9	2.6	0.7	4.4	1.4	-0.4	0	0

REF. NO. / MODE	Q3011			Q3012			Q3013			Q3014			Q3015			Q3016		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	0.8	4.0	1.5	1.5	0	0.8	2.6	4.9	3.2	1.5	4.9	2.2	0.5	4.3	1.2	1.2	3.7	1.9
REC	0.8	4.0	1.5	1.4	0	0.8	2.6	4.9	3.2	1.5	4.9	2.1	0.4	4.3	1.1	1.1	3.6	1.9

REF. NO. / MODE	Q3017			Q3018			Q3019			Q3020		
	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	1.2	3.6	2.0	1.9	0	1.2	1.4	4.8	2.1	1.4	4.8	2.1
REC	1.2	3.6	1.9	1.9	0	1.2	1.4	4.8	2.1	1.4	4.8	2.1

REF. NO. / MODE	IC3001																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	3.6	2.1	4.9	3.0	0.7	2.7	0	2.2	0	2.0	2.8	1.0	2.6	3.7	1.0	0.2	3.1	2.9	2.4	4.9
REC	3.6	2.1	4.9	3.0	0.7	2.7	0	2.1	0	2.1	2.8	1.0	2.6	3.7	1.0	0.1	3.0	2.9	2.4	4.9

REF. NO. / MODE	IC3001											
	21	22	23	24	25	26	27	28	29	30	31	32
PLAY	0	4.8	0.1	2.8	3.8	0.1	4.8	2.6	2.7	3.4	1.5	3.3
REC	3.6	0.4	1.7	2.6	3.8	0.1	4.8	2.6	2.7	0	1.5	3.3

REF. NO. / MODE	IC3005													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	3.6	0	4.9	4.9	0	4.9	0	4.9	0	5.0	4.9	5.0	0	4.9
REC	0	0	0	0	0	0	0	0	0	5.0	0	5.0	0	4.9

REF. NO. / MODE	IC3006				
	1	2	3	4	5
PLAY	0	4.9	0	4.9	4.9
REC	0	4.9	0	4.9	4.9

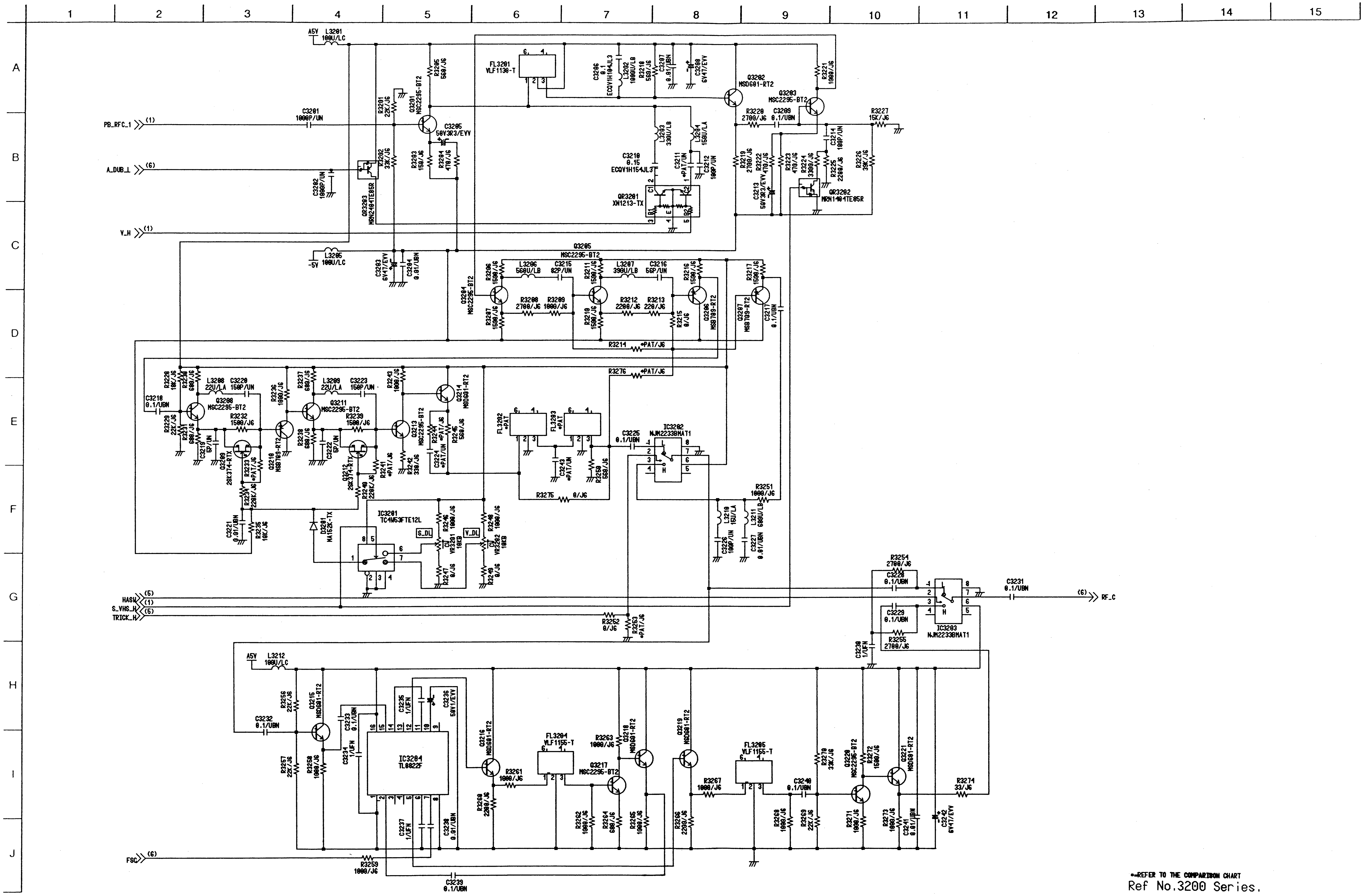
REF. NO. / MODE	IC3007													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	-0.8	-0.4	-0.4	4.8	0.4	0.4	0.2	2.0	1.9	1.8	-4.9	-0.9	-0.9	-0.9
REC	-0.7	-0.4	-0.4	4.8	0	0	0	1.9	2.1	2.2	4.9	-0.9	-0.9	-0.9

REF. NO. / MODE	IC3008															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	2.2	1.8	1.9	1.9	1.8	0	0	0	0	5.0	0.8	0.7	0.7	0.9	0.8	4.8
REC	2.2	1.8	2.0	1.9	0	0	0	0	0	5.0	0.9	1.0	0.9	0.9	0.9	4.8

REF. NO. / MODE	IC3009		
	1	2	3
PLAY	4.9	0	11.5
REC	4.9	0	11.4

REF. NO. / MODE	IC3010		
	1	2	3
PLAY	11.5	0	4.9
REC	11.4	0	4.9

VIDEO I/O (2) SCHEMATIC DIAGRAM 2/7



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I
J
PB_RFC_1 (1)
A_DUB_L (6)
V_H (1)
HASW (5)
S_VHS_H (1)
TRICK_H (5)
FSC (6)
(6) RF_C
A5V
-5V
L3201 100U/LC
L3205 100U/LC
L3212 100U/LC
FL3201 VLF1130-T
FL3202 *PAT
FL3203 *PAT
FL3204 VLF1155-T
FL3205 VLF1155-T
Q3201 MSC2295-BT2
Q3202 MSD601-RT2
Q3203 MSC2295-BT2
Q3204 MSC2295-BT2
Q3205 MSC2295-BT2
Q3206 MSB709-RT2
Q3207 MSB709-RT2
Q3208 MSC2295-BT2
Q3209 2SK374-RTX
Q3210 MSB709-RT2
Q3211 MSC2295-BT2
Q3212 2SK374-RTX
Q3213 MSC2295-BT2
Q3214 MSD601-RT2
Q3215 MSD601-RT2
Q3216 MSD601-RT2
Q3217 MSC2295-BT2
Q3218 MSD601-RT2
Q3219 MSD601-RT2
Q3220 MSC2295-BT2
Q3221 MSD601-RT2
QR3201 XN1213-TX
QR3202 MRN1404TE85R
QR3203 MRN2404TE85R
IC3201 TC4W53FTE12L
IC3202 NJM2233BMAT1
IC3203 NJM2233BMAT1
IC3204 TL0822F
D3201 MA152K-TX
VR3201 10K3
VR3202 10K3
S_DL
V_DL

*=REFER TO THE COMPARISON CHART

Ref No.3200 Series.

VIDEO

REF. N MODE
PLAY
REC
REF. N MODE
PLAY
REC
REF. N MODE
PLAY
REC
REF. N MODE
PLAY
REC
REF. N MODE
PLAY
REC
REF. N MODE
PLAY
REC
REF. N MODE
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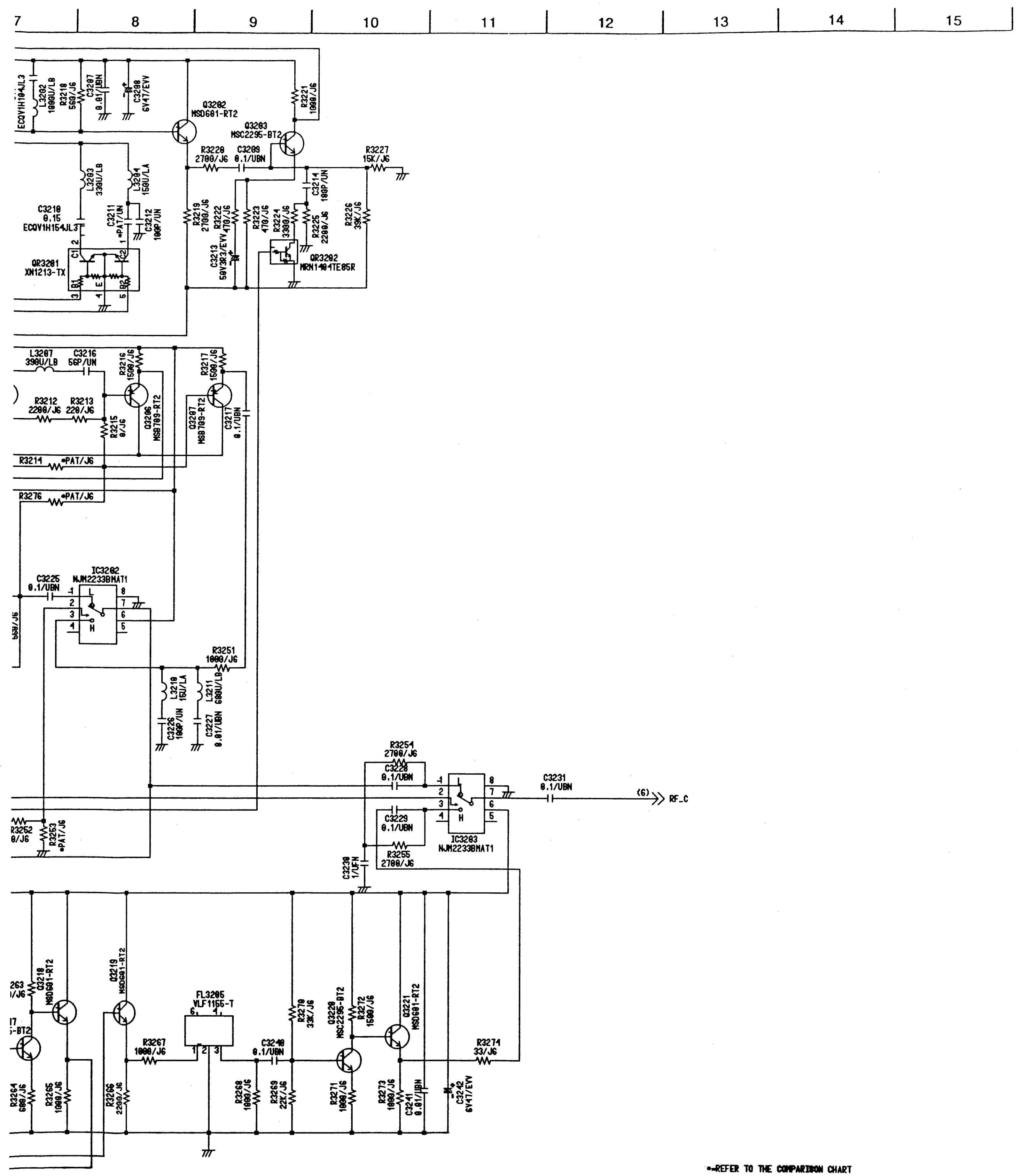
REC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L3202 1000U/LB
R3218 560/J6
C3207 0.01/UBN
C3208 6V47/EVV
ECQV1H104JL3
Q3202 MSD601-RT2
Q3203 MSC2295-BT2
R3221 1000/J6
R3220 2700/J6
C3209 0.1/UBN
R3227 15K/J6
L3203 390U/LB
L3204 150U/LA
C3210 0.15 ECQV1H154JL3
C3211 *PAT/UN
C3212 100P/UN
C3214 100P/UN
R3219 2700/J6
R3222 470/J6
R3223 470/J6
R3224 3300/J6
R3225 2200/J6
R3226 39K/J6
C3213 50V3R3/EVV
QR3202 MRN1404TE85R
QR3201 XN1213-TX
L3207 390U/LB
C3216 56P/UN
R3216 1500/J6
R3217 1500/J6
R3212 2200/J6
R3213 220/J6
R3215 0/J6
Q3206 MSB709-RT2
Q3207 MSB709-RT2
C3217 0.1/UBN
R3214 *PAT/J6
R3276 *PAT/J6
C3225 0.1/UBN
IC3202 NJM2233BMAT1
R3251 1000/J6
L3210 150U/LA
L3211 680U/LB
C3226 100P/UN
C3227 0.01/UBN
R3254 2700/J6
C3228 0.1/UBN
C3229 0.1/UBN
R3255 2700/J6
IC3203 NJM2233BMAT1
C3231 0.1/UBN
(6) RF_C
C3230 1/UFN
R3252 0/J6
R3253 *PAT/J6
Q3218 MSD601-RT2
Q3219 MSD601-RT2
FL3205 VLF1155-T
R3267 1000/J6
C3240 0.1/UBN
R3270 33K/J6
Q3220 MSC2295-BT2
R3272 1500/J6
Q3221 MSD601-RT2
R3274 33/J6
R3264 680/J6
R3265 1000/J6
R3266 2200/J6
R3268 1000/J6
R3269 22K/J6
R3271 1000/J6
R3273 1000/J6
C3241 0.01/UBN
C3242 6V47/EVV

*=REFER TO THE COMPARISON CHART

Ref No.3200 Series.

VIDEO I/O (2)

REF. NO. / MODE	Q3201			Q3202			Q3203			Q3204			Q3205			Q3206		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	-3.6	2.4	-2.9	0	0	0.4	-2.5	0	-1.7	-0.8	0.6	0	-1.6	1.5	-0.9	-0.9	-4.8	-1.5
REC	-3.6	2.4	-2.9	1.9	4.6	2.5	-2.5	0	-1.8	-0.8	0.6	0	-1.6	1.5	-0.9	-0.9	-4.8	-1.6

REF. NO. / MODE	Q3207			Q3208			Q3209			Q3210			Q3211			Q3212		
	E	C	B	E	C	B	G	S	D	E	C	B	E	C	B	E	C	B
PLAY	-0.9	-4.8	-1.5	1.5	3.0	2.2	0.3	1.5	1.5	2.2	0	1.5	1.4	3.1	2.2	1.4	0.3	1.4
REC	-0.9	-4.8	-1.6	1.5	3.0	2.2	1.5	0.3	1.5	2.2	0	1.5	1.4	3.0	2.2	1.4	0.3	1.4

REF. NO. / MODE	Q3213			Q3214			Q3215			Q3216			Q3217			Q3218		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	0.7	2.2	1.4	1.6	4.6	2.2	1.6	4.7	2.2	2.3	4.7	2.9	0.4	4.0	1.1	3.3	4.7	4.0
REC	0.7	2.2	1.4	1.6	4.6	2.2	1.6	4.6	2.2	2.3	4.7	2.9	0.4	3.9	1.1	3.3	4.7	3.9

REF. NO. / MODE	Q3219			Q3220			Q3221		
	E	C	B	E	C	B	E	C	B
PLAY	2.3	4.7	2.9	1.0	3.0	1.7	2.4	4.7	3.0
REC	2.3	4.6	2.9	1.0	3.0	1.7	2.4	4.6	3.0

REF. NO. / MODE	IC3201							
	1	2	3	4	5	6	7	8
PLAY	0.9	0	0	0	0.4	2.5	1.0	4.6
REC	0.9	0	0	0	0.4	2.5	1.0	4.6

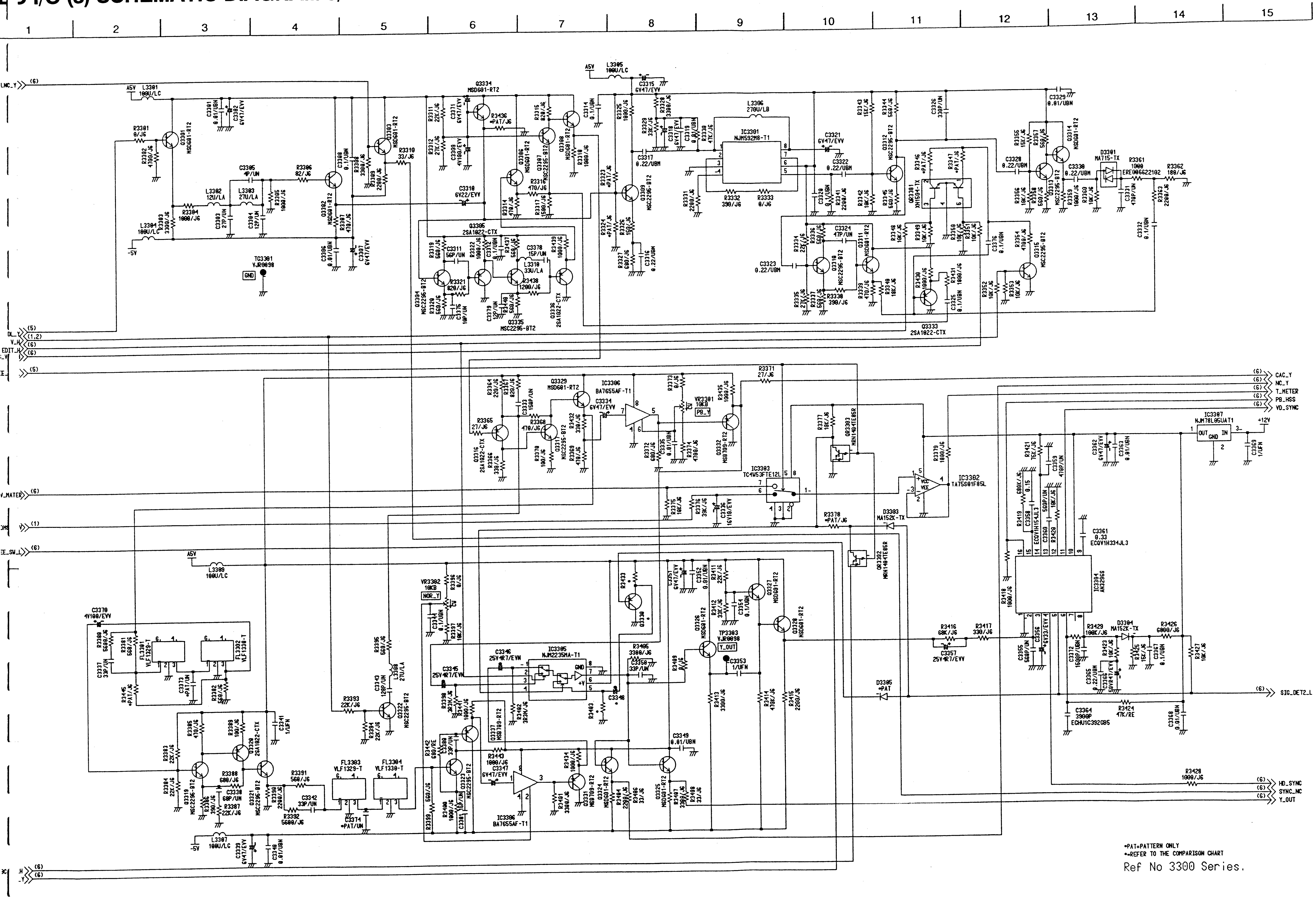
REF. NO. / MODE	IC3202							
	1	2	3	4	5	6	7	8
PLAY	2.7	0	2.7	0	0	4.6	1.9	0
REC	2.7	0	2.7	0	0	4.6	1.9	0

REF. NO. / MODE	IC3203							
	1	2	3	4	5	6	7	8
PLAY	2.7	0	2.7	0	0	4.7	2.0	0
REC	2.7	0	2.7	0	0	4.7	2.0	0

REF. NO. / MODE	IC3204															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	2.4	0	0	2.9	1.3	2.3	0	0	9.8	1.4	2.9	0	0	2.4	0
REC	0	2.3	0	0	2.9	1.3	2.3	0	0	9.8	1.4	2.9	0	0	2.4	4.7

REF. NO. / MODE	QR3201					QR3203			QR3202		
	1	2	3	4	5	E	C	B	E	C	B
PLAY	0	0	0	0	4.8	4.6	0	4.5	0	0	0.3
REC	0	0	0	0	4.8	4.6	0	4.5	0	0	0.4

EO I/O (3) SCHEMATIC DIAGRAM 3/7



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IC3301 NJM592M8-T1
IC3302 TA75S01F85L
IC3303 TC4W53FTE12L
IC3304 AN2296S
IC3305 NJM2235MA-T1
IC3306 BA7655AF-T1
IC3307 NJM78L05UAT1
Q3301 MSD601-RT2
Q3302 MSD601-RT2
Q3303 MSD601-RT2
Q3304 MSC2295-BT2
Q3305 2SA1022-CTX
Q3306 MSD601-RT2
Q3307 MSC2295-BT2
Q3308 MSD601-RT2
Q3309 MSC2295-BT2
Q3310 MSC2295-BT2
Q3311 MSD601-RT2
Q3312 MSC2295-BT2
Q3313 MSC2295-BT2
Q3314 MSD601-RT2
Q3315 MSC2295-BT2
Q3316 2SA1022-CTX
Q3317 MSC2295-BT2
Q3318 MSC2295-BT2
Q3319 MSC2295-BT2
Q3320 2SA1022-CTX
Q3321 MSC2295-BT2
Q3322 MSC2295-BT2
Q3323 MSC2295-BT2
Q3324 MSD601-RT2
Q3325 MSD601-RT2
Q3326 MSD601-RT2
Q3327 MSD601-RT2
Q3328 MSD601-RT2
Q3329 MSD601-RT2
Q3331 MSB709-RT2
Q3332 MSB709-RT2
Q3333 2SA1022-CTX
Q3334 MSD601-RT2
Q3335 MSC2295-BT2
Q3336 2SA1022-CTX
Q3337 MSB709-RT2
QR3301 XN1501-TX
QR3302 MRN1404TE85R
QR3303 MRN1404TE85R
D3301 MA715-TX
D3303 MA152K-TX
D3304 MA152K-TX
D3305 *PAT
FL3301 VLF1329-T
FL3302 VLF1330-T
FL3303 VLF1329-T
FL3304 VLF1330-T
VR3301 10KB
PB_Y
VR3302 10KB
NOR_Y
TP3301 VJR0098
TP3303 VJR0098
Y_OUT
GND
A5V
-5V
+12V
L3301 100U/LC
L3305 100U/LC
L3306 270U/LB
L3309 100U/LC
L3307 100U/LC
LNC_Y (6)
(5)
(1,2)
(6)
(6)
(5)
V_MATER (6)
(1)
EE_SW_L (6)
(6)
(6)
CAC_Y (6)
NC_Y (6)
T_METER (6)
PB_HSS (6)
YD_SYNC (6)
SIG_DET2_L (6)
HD_SYNC (6)
SYNC_NC (6)
Y_OUT (6)

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART

Ref No 3300 Series.

VIDEO I/O (3)

REF. NO. / MODE	1	2
PLAY	2.9	2.3
REC	3.5	2.8

REF. NO. / MODE	1	2
PLAY	0.8	0
REC	0.7	0

REF. NO. / MODE	1	2
PLAY	0.8	0
REC	0.7	0

REF. NO. / MODE	1	2
PLAY	0	3.3
REC	0	3.3

REF. NO. / MODE	1	2
PLAY	2.2	0
REC	1.7	0

REF. NO. / MODE	1	2
PLAY	2.6	3.5
REC	2.6	3.5

REF. NO. / MODE	1	2
PLAY	1.0	0
REC	1.0	0

REF. NO.	Q330	
MODE	E	C
PLAY	0.1	4.7
REC	-0.2	4.7

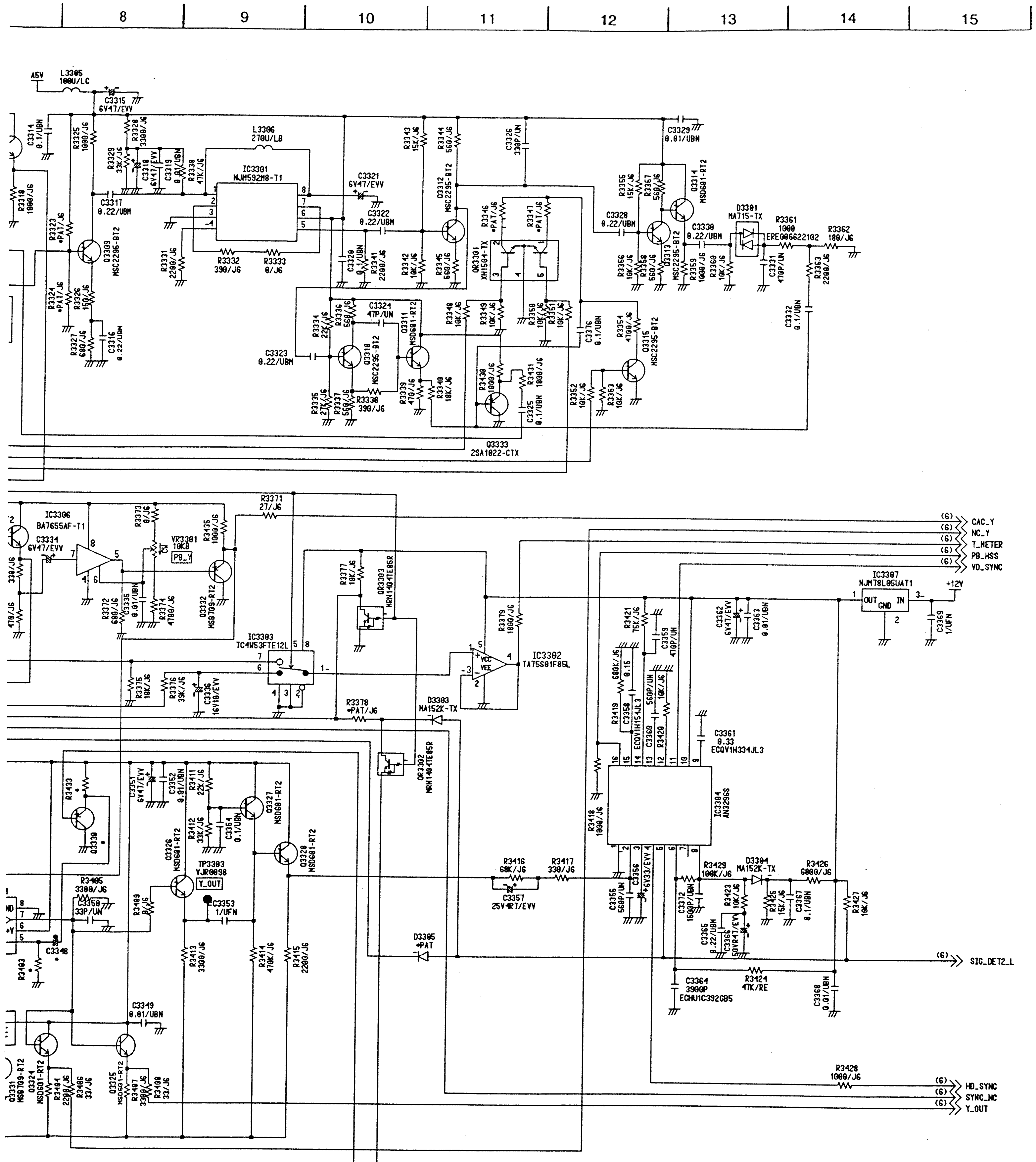
REF. NO.	Q33	
MODE	E	C
PLAY	1.7	3.3
REC	1.6	3.1

REF. NO.	Q33	
MODE	E	C
PLAY	1.0	3.6
REC	1.0	3.6

REF. NO.	Q33	
MODE	E	C
PLAY	4.4	2.3
REC	4.3	2.4

REF. NO.	Q33	
MODE	E	C
PLAY	0.9	4.
REC	0.8	4.

REF. NO.	Q33	
MODE	E	C
PLAY	2.2	0
REC	2.2	1.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IC3301
NJM592M8-T1
IC3306
BA7655AF-T1
IC3303
TC4W53FTE12L
IC3302
TA75S01F85L
IC3307
NJM78L05UAT1
IC3304
AN3296S
QR3301
XN1504-TX
QR3303
MRN1404TE85R
QR3302
MRN1404TE85R
Q3333
2SA1022-CTX
D3301
MA715-TX
D3303
MA152K-TX
D3304
MA152K-TX
D3305
*PAT
TP3303
Y_OUT
VR3301
PB_Y
+5V
+12V
CAC_Y
NC_Y
T_METER
PB_HSS
VD_SYNC
SIG_DET2_L
HD_SYNC
SYNC_NC
Y_OUT

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No 3300 Series.

VIDEO I/O (3)

REF. NO. / MODE	IC3301							
MODE	1	2	3	4	5	6	7	8
PLAY	2.9	2.3	0	3.2	3.2	4.7	2.3	3.0
REC	3.5	2.8	0	3.2	3.2	4.7	2.8	3.5

REF. NO. / MODE	IC3302				
MODE	1	2	3	4	5
PLAY	0.8	0	0.8	0.8	4.9
REC	0.7	0	0.7	0.7	4.9

REF. NO. / MODE	IC3303							
MODE	1	2	3	4	5	6	7	8
PLAY	0.8	0	0	0	5.1	0.8	0	4.9
REC	0.7	0	0	0	0	0	0.7	4.9

REF. NO. / MODE	IC3304															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	3.3	4.0	3.0	0.1	2.8	0	2.9	2.2	4.9	4.7	0.6	0	1.3	3.8	3.4
REC	0	3.3	4.0	3.0	0.1	2.8	-0.2	2.9	2.2	4.9	4.7	0.6	0	1.2	3.8	3.4

REF. NO. / MODE	IC3305							
MODE	1	2	3	4	5	6	7	8
PLAY	2.2	0	2.3	0	1.8	4.5	1.5	0
REC	1.7	0	1.8	3.4	2.1	4.5	1.4	0

REF. NO. / MODE	IC3306								IC3307		
MODE	1	2	3	4	5	6	7	8	1	2	3
PLAY	2.6	3.5	1.8	0	1.6	3.4	2.6	4.5	4.9	0	11.5
REC	2.6	3.5	1.8	0	1.5	3.4	2.6	4.5	4.9	0	11.4

REF. NO. / MODE	QR3301					QR3303			QR3302		
MODE	1	2	3	4	5	E	C	B	E	C	B
PLAY	1.0	0	0.6	0	0.1	0	0	5.1	0	0	5.1
REC	1.0	0	0.6	0	0.1	0	3.4	0	0	1.5	0

REF. NO. / MODE	Q3301			Q3302			Q3303			Q3304			Q3305			Q3306		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	G	S	D	E	C	B
PLAY	0.1	4.7	0.7	-0.5	4.7	0	0.8	4.7	1.4	1.3	3.3	2.0	2.0	0	1.3	1.5	4.7	2.1
REC	-0.2	4.7	0.3	-0.7	4.7	0	0.8	4.7	1.4	1.1	3.5	1.9	1.9	0	1.2	1.3	4.7	1.9

REF. NO. / MODE	Q3307			Q3308			Q3309			Q3310			Q3311			Q3312		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	1.7	3.3	2.4	2.7	4.7	3.3	1.3	3.0	2.0	1.5	3.0	2.3	0.9	0	0	1.0	3.6	1.8
REC	1.6	3.1	2.4	2.5	4.7	3.1	1.1	3.2	1.9	1.5	3.0	2.2	0.9	4.7	1.5	1.0	3.6	1.7

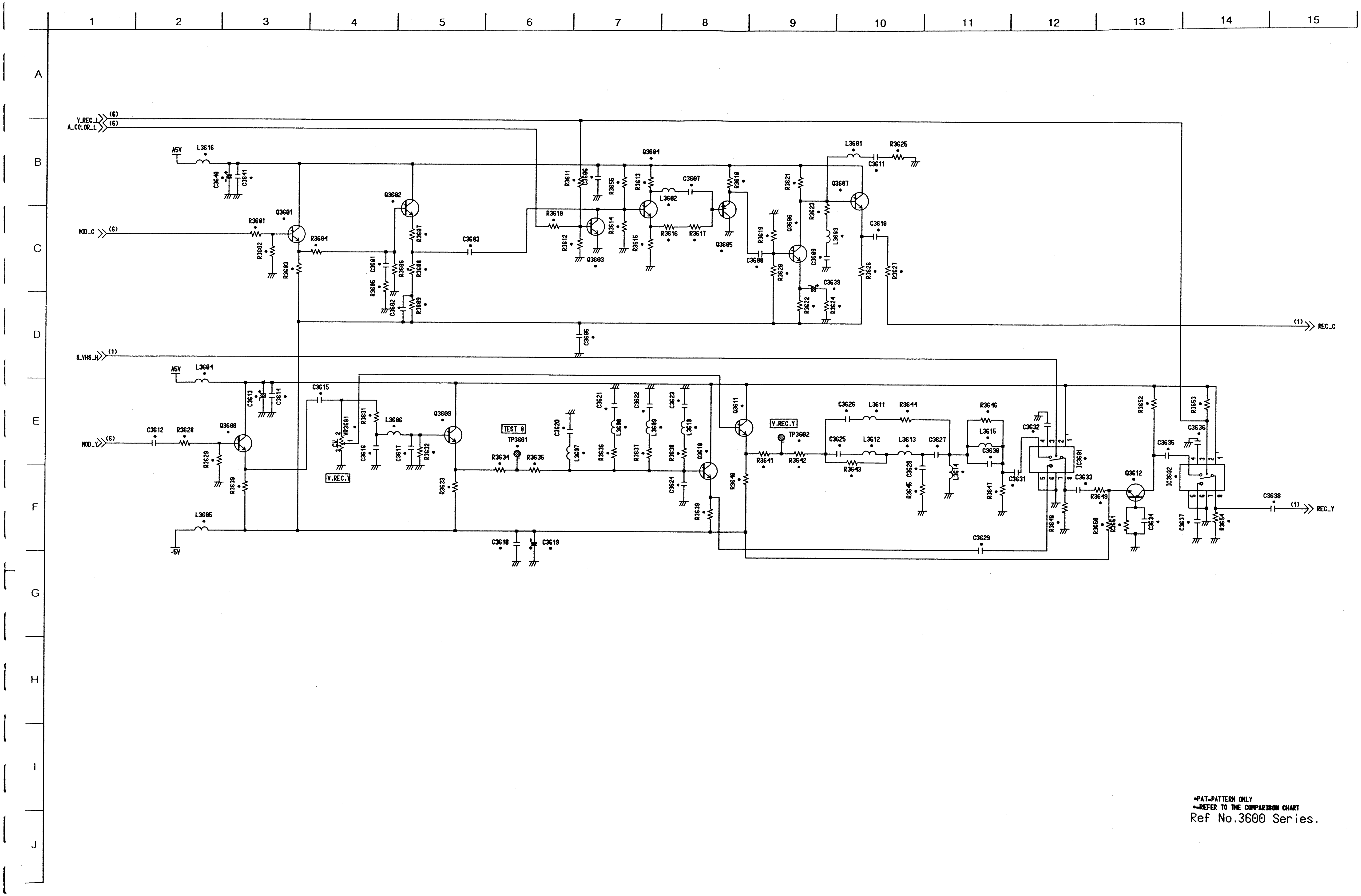
REF. NO. / MODE	Q3313			Q3314			Q3315			Q3316			Q3317			Q3319		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	1.0	3.6	1.8	2.9	4.7	3.6	0	0	0	3.4	0.8	2.7	0.1	2.4	0.8	0	3.6	2.0
REC	1.0	3.6	1.7	2.9	0	3.6	0	0	0	3.2	0.9	2.5	0.2	1.9	0.9	1.3	3.6	2.0

REF. NO. / MODE	Q3320			Q3321			Q3322			Q3323			Q3324			Q3325		
MODE	E	C	B	E	C	B	E	C	B	G	S	D	E	C	B	E	C	B
PLAY	4.4	2.3	3.7	1.6	4.5	2.3	0	0	0.6	-2.4	2.2	-1.7	0.9	4.5	1.5	0.9	4.5	1.5
REC	4.3	2.4	3.6	1.6	4.5	2.4	0	0	0.6	-2.4	2.2	-1.7	0.8	4.5	1.4	0.8	4.5	1.4

REF. NO. / MODE	Q3326			Q3327			Q3328			Q3329			Q3330			Q3331		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	0.9	4.5	1.5	2.6	4.5	2.6	2.0	4.5	2.6	1.8	4.5	2.4	1.5	0	0.9	2.5	0	1.8
REC	0.8	4.5	1.4	2.5	4.5	2.6	1.9	4.5	2.5	1.3	4.5	1.9	1.7	0	1.1	2.4	0	1.8

REF. NO. / MODE	Q3332			Q3333			Q3334			Q3335			Q3336			Q3337		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	2.2	0	1.6	2.0	0	1.2	2.0	4.7	2.4	1.3	3.3	2.1	2.1	0	1.4	-1.8	-4.8	-2.4
REC	2.2	1.5	0	2.0	0	1.2	1.9	4.7	2.4	1.1	3.4	1.9	1.9	0	1.2	-1.8	-4.8	-2.4

VIDEO I/O (4) SCHEMATIC DIAGRAM 4/7



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V_REC_L (6)
A_COLOR_L (6)
A5V
L3616
C3640
C3641
Q3601
R3601
MOD_C (6)
R3602
R3603
R3604
Q3602
R3607
R3606
R3608
C3601
R3605
C3602
R3609
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Q3607
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R3625
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C3610
R3626
R3627
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S_VHS_H (1)
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L3604
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C3612
R3628
MOD_Y (6)
Q3608
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R3630
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L3606
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C3617
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Q3609
R3633
V.REC.Y
TEST 8
TP3601
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C3621
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R3637
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R3640
V.REC.Y
TP3602
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R3647
C3631
C3632
IC3601
R3648
C3633
R3649
Q3612
R3650
R3651
C3634
R3652
R3653
C3635
C3636
IC3602
C3637
R3654
C3638
(1) REC_Y
C3629
L3605
-5V
C3618
C3619

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.3600 Series.

VIDEO

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REC
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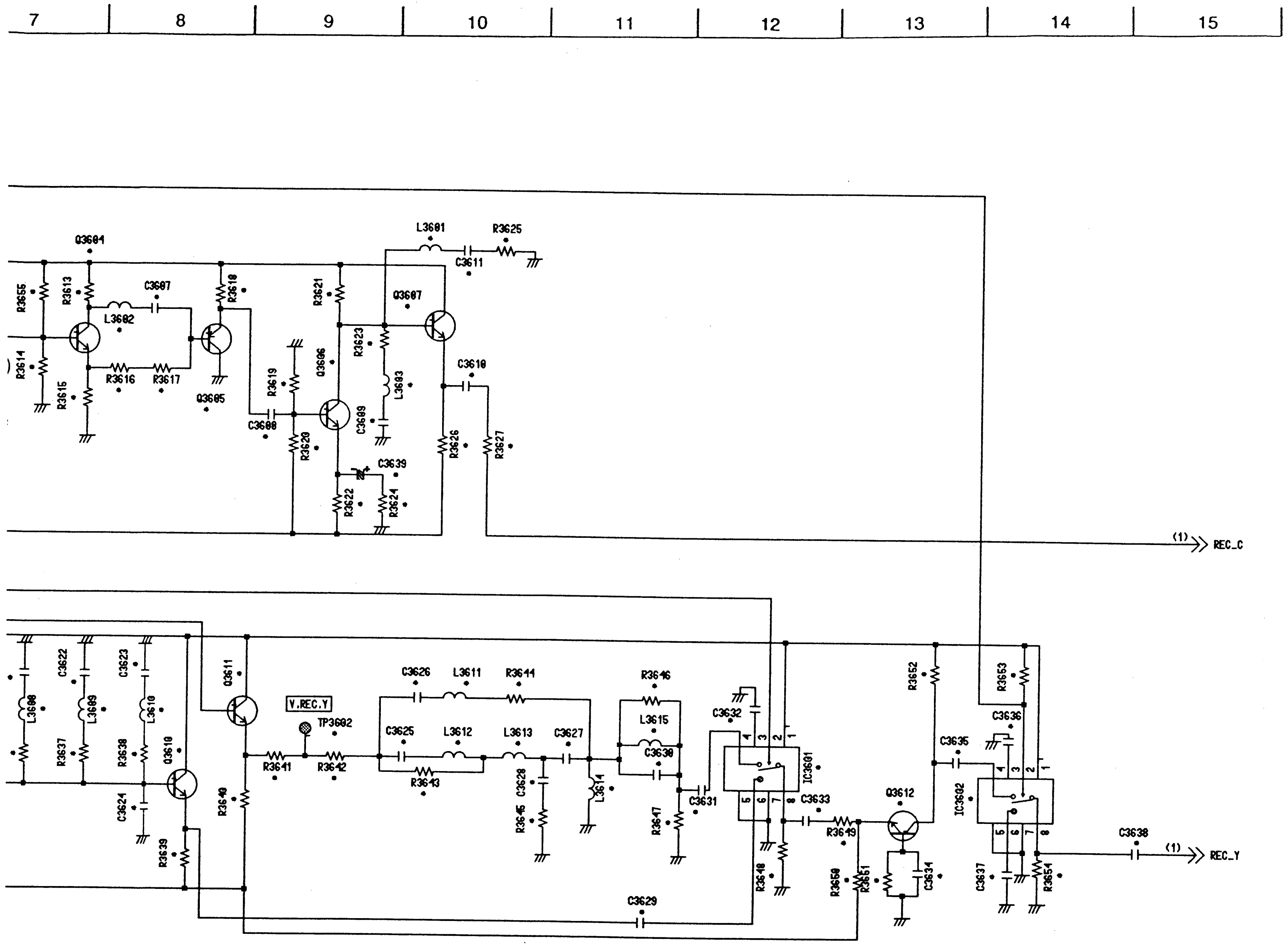
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Q3604
R3655
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R3616
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R3618
Q3605
C3608
R3619
Q3606
R3620
R3621
R3622
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Q3607
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C3611
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R3637
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Q3610
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Q3611
R3640
V.REC.Y
TP3602
R3641
R3642
C3626
L3611
R3644
C3625
L3612
L3613
C3627
R3643
C3628
R3645
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C3633
R3648
R3649
R3650
R3651
Q3612
C3634
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R3653
C3635
C3636
IC3602
C3637
R3654
C3638
(1)
REC_Y
C3629

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.3600 Series.

VIDEO I/O (4)

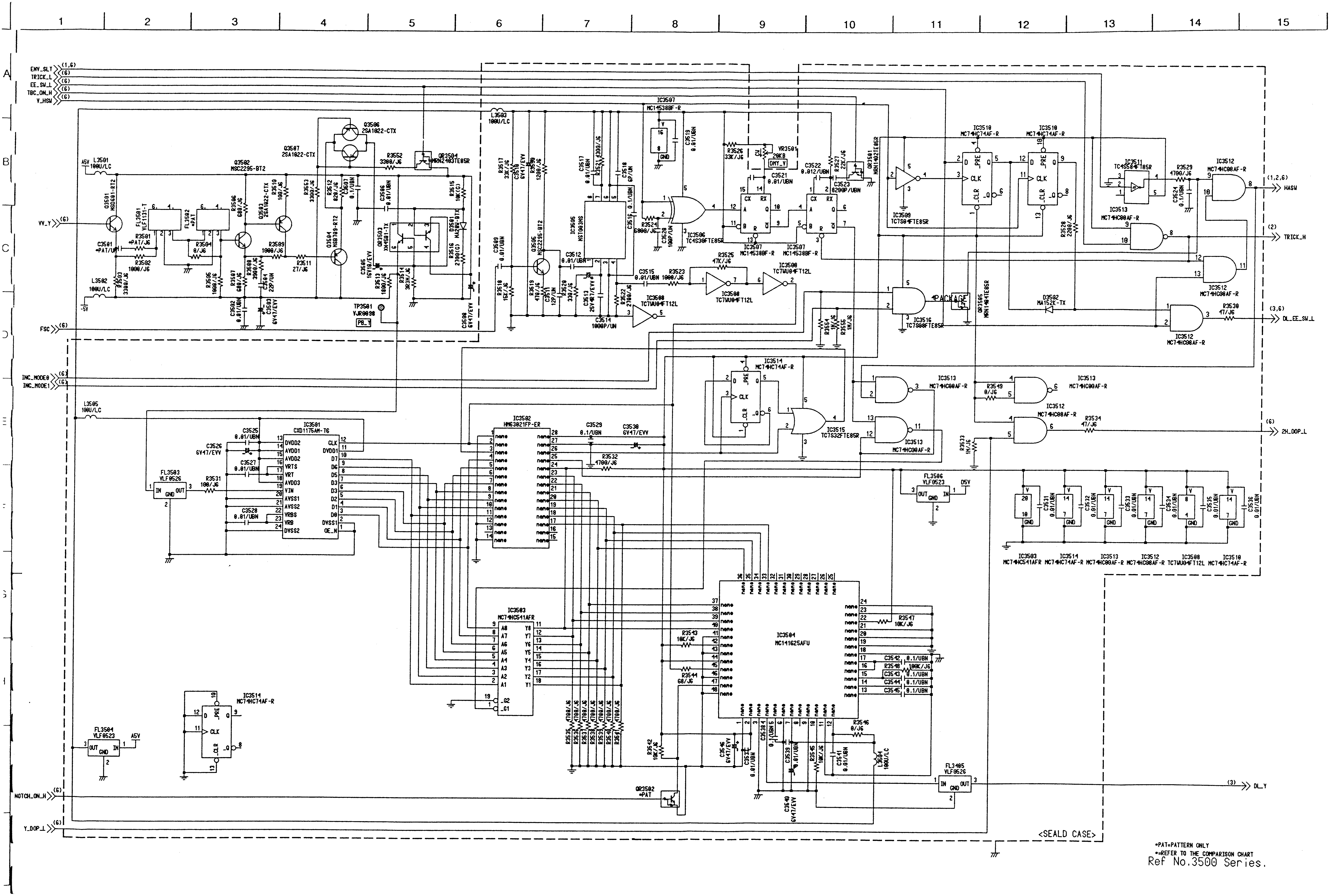
REF. NO. / MODE	Q3601			Q3602			Q3603			Q3604			Q3605			Q3606		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	-0.7	4.7	0	-0.9	4.7	-0.3	0	0	0.5	0	4.7	0	0.6	0	0	-2.9	0.8	-2.2
REC	-0.7	4.7	0	-0.9	4.7	-0.3	0	1.8	0	1.1	3.5	1.8	1.8	0	1.1	-2.9	0.9	-2.2

REF. NO. / MODE	Q3607			Q3608			Q3609			Q3610			Q3611			Q3612		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	0.2	4.7	0.8	-0.6	4.7	0	-0.6	4.7	0	-1.2	4.7	-0.6	-0.6	4.7	0	-0.8	1.4	0
REC	0.1	4.7	0.8	-0.4	4.7	0	-0.6	4.7	0	-1.2	4.7	-0.6	-0.6	4.7	0	-0.8	1.4	0

REF. NO. / MODE	IC3601							
	1	2	3	4	5	6	7	8
PLAY	4.7	0.4	2.3	2.4	0	2.4	0	2.3
REC	4.7	0.4	2.3	2.4	0	2.4	0	2.3

REF. NO. / MODE	IC3602							
	1	2	3	4	5	6	7	8
PLAY	4.7	3.6	2.3	2.4	0	2.3	0	2.3
REC	4.7	0	2.3	2.4	0	2.4	0	2.3

VIDEO I/O (5) SCHEMATIC DIAGRAM 5/7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ENV_SLT (1,6)
TRICK_L (6)
EE_SW_L (6)
TBC_ON_H (6)
V_HSW (6)
VV_Y (6)
FSC (6)
INC_MODE0 (6)
INC_MODE1 (6)
NOTCH_ON_H (6)
Y_DOP_L (6)
HASW (1,2,6)
TRICK_H (2)
DL_EE_SW_L (3,6)
2H_DOP_L (6)
DL_Y (3)
Q3501 MSD601-RT2
Q3502 MSC2295-BT2
Q3503 2SA1022-CTX
Q3504 MSB709-RT2
Q3505 2SA1022-CTX
Q3506 MSC2295-BT2
Q3507 2SA1022-CTX
QR3503 XN4501-TX
QR3504 MRN2403TE85R
QR3501 MRN1402TE85R
QR3505 MRN1404TE85R
QR3502 *PAT
D3501 MA2H-BTX
D3502 MA152K-TX
FL3501 VEF121-T
FL3502 *PAT
FL3503 VLF0526
FL3504 VLF0523
FL3505 VLF0526
FL3506 VLF0523
L3501 100U/LC
L3502 100U/LC
L3503 100U/LC
L3504 100U/LC
L3505 100U/LC
IC3501 CXD1175AM-T6
IC3502 HM63021FP-ER
IC3503 MC74HC541AFR
IC3504 MC141625AFU
IC3505 NST003HS
IC3506 TC4S30FTE85R
IC3507 MC14538BF-R
IC3508 TC7WU04FT12L
IC3509 TC7S04FTE85R
IC3510 MC74HC74AF-R
IC3511 TC4S584FTE85R
IC3512 MC74HC08AF-R
IC3513 MC74HC00AF-R
IC3514 MC74HC74AF-R
IC3515 TC7S32FTE85R
IC3516 TC7S08FTE85R
VR3501 20KB
DMY_Y
TP3501 VJR0098
PB_Y
A5V
-5V
D5V
<SEALD CASE>

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.3500 Series.

VIDEO I/

REF. NO. MODE	
PLAY	
REC	
REF. NO. MODE	
PLAY	
REC	
REF. NO. MODE	
PLAY	
REC	
REF. NO. MODE	
PLAY	
REC	
REF. NO. MODE	
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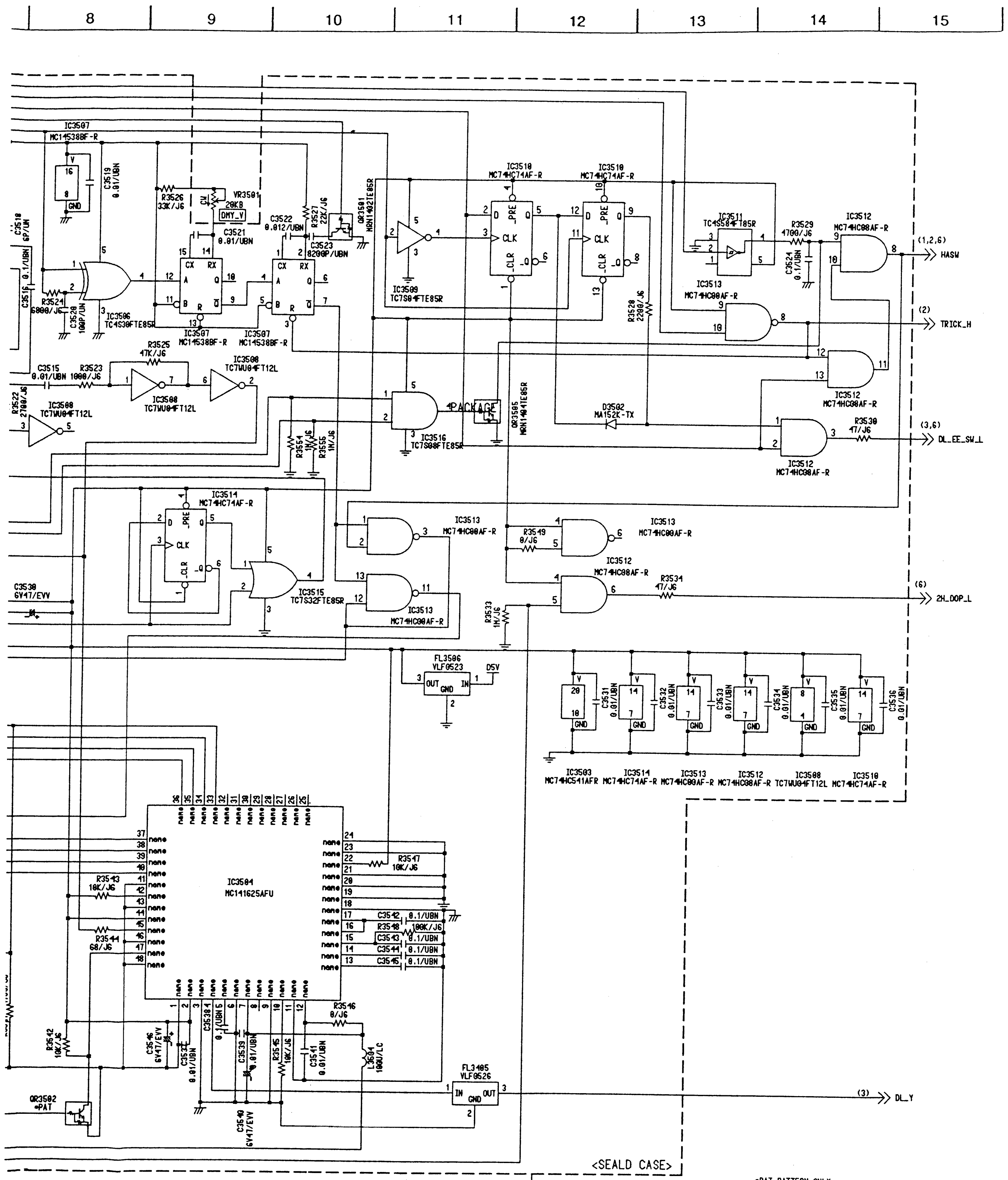
REF. NO. MODE	
PLAY	
REC	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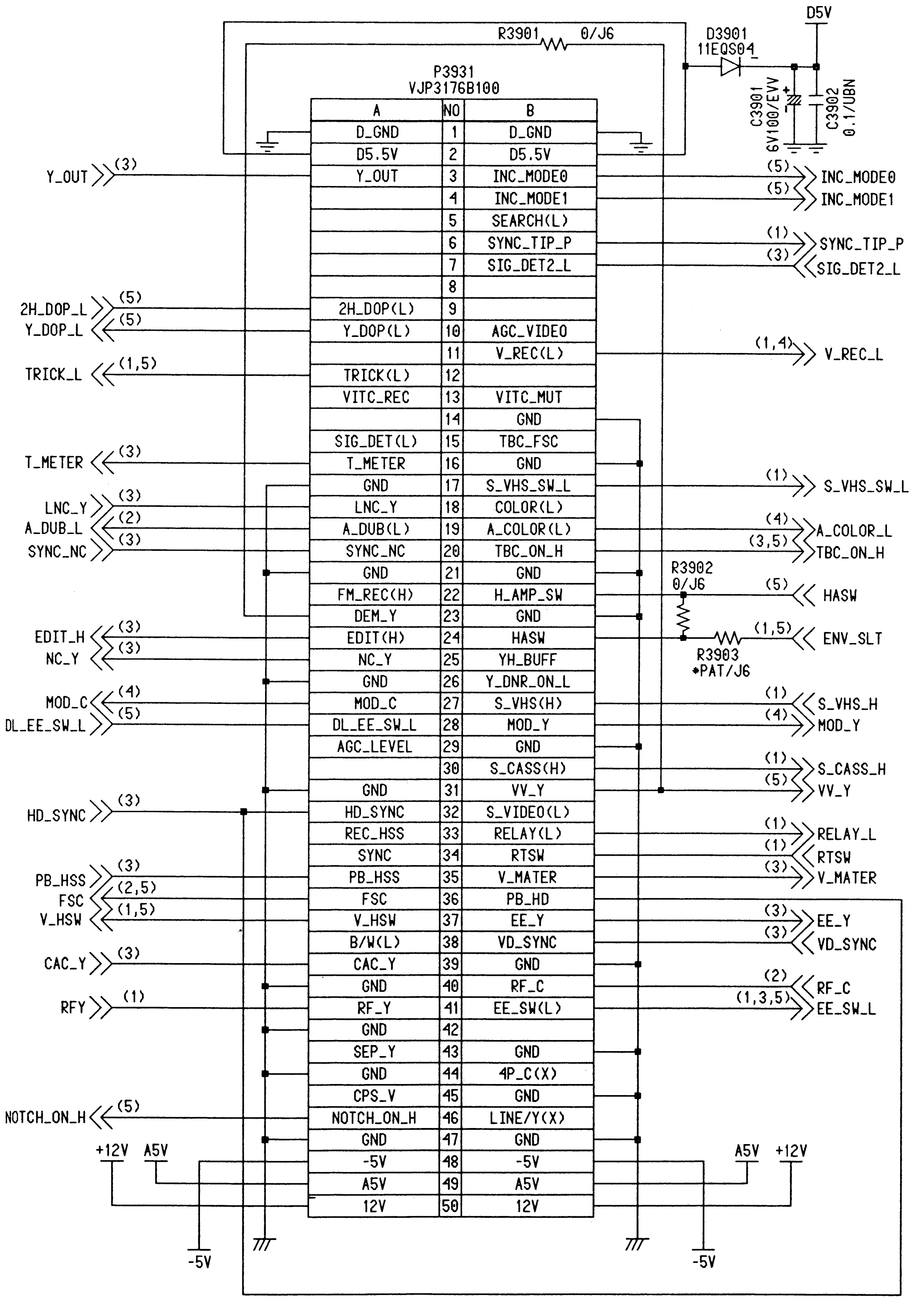
IC3507
MC14538BF-R
C3519
0.01/UBN
C3518
6P/UN
C3516 0.1/UBN
R3524
6800/J6
C3520
100P/UN
IC3506
TC4S30FTE85R
R3526
33K/J6
VR3501
20KB
DMY_V
CW
C3521
0.01/UBN
IC3507
MC14538BF-R
IC3507
MC14538BF-R
C3522
0.012/UBN
R3527
22K/J6
C3523
8200P/UBN
QR3501
NRN1402TE85R
IC3509
TC7S04FTE85R
IC3510
MC74HC74AF-R
IC3510
MC74HC74AF-R
IC3511
TC4S584FT85R
R3529
4700/J6
C3524
0.1/UBN
IC3512
MC74HC08AF-R
(1,2,6)
HASW
IC3513
MC74HC00AF-R
R3528
2200/J6
(2)
TRICK_H
IC3512
MC74HC08AF-R
R3525
47K/J6
C3515
0.01/UBN
R3523
1000/J6
IC3508
TC7WU04FT12L
IC3508
TC7WU04FT12L
R3522
2700/J6
IC3508
TC7WU04FT12L
IC3516
TC7S08FTE85R
4PACKAGE
QR3505
NRN1404TE85R
D3502
MA152K-TX
R3554
1M/J6
R3555
1M/J6
IC3512
MC74HC08AF-R
R3530
47/J6
(3,6)
DL_EE_SW_L
IC3514
MC74HC74AF-R
IC3515
TC7S32FTE85R
C3530
6V47/EVV
IC3513
MC74HC00AF-R
IC3513
MC74HC00AF-R
R3549
0/J6
IC3513
MC74HC00AF-R
IC3512
MC74HC08AF-R
R3534
47/J6
(6)
2H_DOP_L
R3533
1M/J6
FL3506
VLF0523
D5V
OUT
GND
IN
C3531
0.01/UBN
C3532
0.01/UBN
C3533
0.01/UBN
C3534
0.01/UBN
C3535
0.01/UBN
C3536
0.01/UBN
IC3503
MC74HC541AFR
IC3514
MC74HC74AF-R
IC3513
MC74HC00AF-R
IC3512
MC74HC08AF-R
IC3508
TC7WU04FT12L
IC3510
MC74HC74AF-R
IC3504
MC141625AFU
R3547
10K/J6
C3542
0.1/UBN
R3548
100K/J6
C3543
0.1/UBN
C3544
0.1/UBN
C3545
0.1/UBN
R3543
10K/J6
R3544
68/J6
R3542
10K/J6
C3546
6V47/EVV
C3537
0.01/UBN
C3538
0.1/UBN
C3539
0.01/UBN
C3540
6V47/EVV
R3545
10K/J6
C3541
0.01/UBN
R3546
0/J6
L3504
100U/LC
FL3405
VLF0526
IN
GND
OUT
(3)
DL_Y
QR3502
*PAT
<SEALD CASE>

*PAT=PATTERN ONLY
**=REFER TO THE COMPARISON CHART
Ref No.3500 Series.

VIDEO I/O (5)

REF. NO.	IC3501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	0	1.2	1.4	2.1	2.2	2.2	1.3	2.8	1.8	4.7	2.5	4.7	4.7	4.7	2.5	2.5	4.7	1.4	0
REC	0	0	4.7	0	4.7	4.7	0	0	0	0	4.7	2.6	4.7	4.7	4.7	2.5	2.5	4.7	0.6	0
REF. NO.	IC3501																			
MODE	21	22	23	24																
PLAY	0	0.5	0.5	0																
REC	0	0.5	0.5	0																
REF. NO.	IC3502																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	2.5	5.1	1.2	1.4	2.0	2.1	2.2	1.3	2.8	1.8	0	3.9	0	3.9	3.9	2.0	3.1	1.4	2.5
REC	0	2.6	5.1	4.7	0	4.7	4.7	0	0	0	0	0	3.9	0	3.9	3.9	0	0	0	0
REF. NO.	IC3502																			
MODE	21	22	23	24	25	26	27	28												
PLAY	2.7	2.7	2.5	2.4	5.1	3.9	0	5.1												
REC	5.1	5.1	0	5.1	5.1	3.9	0	5.1												
REF. NO.	IC3503																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	1.8	2.9	1.3	2.0	2.3	1.9	1.4	1.2	0	2.4	2.4	2.6	2.7	2.4	1.5	3.1	2.0	0	5.1
REC	0	0	0	0	0	4.7	4.7	0	4.0	0	5.0	0	5.1	5.1	0	0	0	0	0	5.1
REF. NO.	IC3504																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	5.1	0	0.7	1.4	0	4.6	0.8	0	1.0	0	4.6	4.3	1.3	0	0	0	0	0	0
REC	0	5.1	0	0.3	1.4	0	4.6	0.3	0	1.0	0	4.6	4.3	1.3	0	0	0	0	0	0
REF. NO.	IC3504																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	0	5.1	0	0	0	0	5.1	5.1	0	5.1	0	5.1	2.0	3.1	1.4	2.6	2.6	2.8	2.5	2.5
REC	0	5.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.1	0	0	5.1
REF. NO.	IC3504																			
MODE	41	42	43	44	45	46	47	48												
PLAY	0	5.1	0	5.1	2.4	0	5.1	0												
REC	0	5.1	0	5.1	2.4	0	5.1	0												
REF. NO.	IC3505																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0	0	0	2.6	3.0	4.7	3.4	0												
REC	2.4	1.9	0	2.6	3.0	4.7	3.4	0												
REF. NO.	IC3506																			
MODE	1	2	3	4	5															
PLAY	1.8	1.1	0	0	4.8															
REC	4.9	5.0	0	0	4.7															
REF. NO.	IC3507																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	4.7	0	4.6	4.7	0	4.7	0	4.6	0	4.7	0	4.7	4.6	0	4.7				
REC	0	4.7	0	4.6	4.7	0	4.7	0	0	0	4.7	0	4.7	4.6	0	4.7				
REF. NO.	IC3508																			
MODE	41	42	43	44	45	46	47	48												
PLAY	2.6	2.4	0	0	5.1	2.6	2.6	5.1												
REC	2.6	2.5	0	0	5.1	2.6	2.5	5.1												
REF. NO.	IC3509																			
MODE	1	2	3	4	5															
PLAY	0	5.0	0	5.2	5.1															
REC	0	5.0	0	5.1	5.1															
REF. NO.	IC3510																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	5.1	4.8	5.1	5.1	5.1	0	0	0	5.1	5.1	2.9	5.1	5.2	5.1						
REC	5.1	0	4.9	5.1	0	5.1	0	5.1	0	5.1	4.5	0	5.1	5.1						
REF. NO.	IC3511																			
MODE	1	2	3	4	5															
PLAY	0	4.5	0	0	5.1															
REC	0	0	0	5.1	5.1															

VIDEO I/O (6) SCHEMATIC DIAGRAM 6/7


D5V
R3901 0/J6
D3901
11EQS04
C3901
6V100/EVV
C3902
0.1/UBN
P3931
VJP3176B100
A | NO | B
D_GND | 1 | D_GND
D5.5V | 2 | D5.5V
Y_OUT | 3 | INC_MODE0
4 | INC_MODE1
5 | SEARCH(L)
6 | SYNC_TIP_P
7 | SIG_DET2_L
8
2H_DOP(L) | 9
Y_DOP(L) | 10 | AGC_VIDEO
11 | V_REC(L)
TRICK(L) | 12
VITC_REC | 13 | VITC_MUT
14 | GND
SIG_DET(L) | 15 | TBC_FSC
T_METER | 16 | GND
GND | 17 | S_VHS_SW_L
LNC_Y | 18 | COLOR(L)
A_DUB(L) | 19 | A_COLOR(L)
SYNC_NC | 20 | TBC_ON_H
GND | 21 | GND
FM_REC(H) | 22 | H_AMP_SW
DEM_Y | 23 | GND
EDIT(H) | 24 | HASW
NC_Y | 25 | YH_BUFF
GND | 26 | Y_DNR_ON_L
MOD_C | 27 | S_VHS(H)
DL_EE_SW_L | 28 | MOD_Y
AGC_LEVEL | 29 | GND
30 | S_CASS(H)
GND | 31 | VV_Y
HD_SYNC | 32 | S_VIDEO(L)
REC_HSS | 33 | RELAY(L)
SYNC | 34 | RTSW
PB_HSS | 35 | V_MATER
FSC | 36 | PB_HD
V_HSW | 37 | EE_Y
B/W(L) | 38 | VD_SYNC
CAC_Y | 39 | GND
GND | 40 | RF_C
RF_Y | 41 | EE_SW(L)
GND | 42
SEP_Y | 43 | GND
GND | 44 | 4P_C(X)
CPS_V | 45 | GND
NOTCH_ON_H | 46 | LINE/Y(X)
GND | 47 | GND
-5V | 48 | -5V
A5V | 49 | A5V
12V | 50 | 12V
Y_OUT (3)
2H_DOP_L (5)
Y_DOP_L (5)
TRICK_L (1,5)
T_METER (3)
LNC_Y (3)
A_DUB_L (2)
SYNC_NC (3)
EDIT_H (3)
NC_Y (3)
MOD_C (4)
DL_EE_SW_L (5)
HD_SYNC (3)
PB_HSS (3)
FSC (2,5)
V_HSW (1,5)
CAC_Y (3)
RFY (1)
NOTCH_ON_H (5)
+12V
A5V
-5V
(5) INC_MODE0
(5) INC_MODE1
(1) SYNC_TIP_P
(3) SIG_DET2_L
(1,4) V_REC_L
(1) S_VHS_SW_L
(4) A_COLOR_L
(3,5) TBC_ON_H
R3902
0/J6
(5) HASW
(1,5) ENV_SLT
R3903
*PAT/J6
(1) S_VHS_H
(4) MOD_Y
(1) S_CASS_H
(5) VV_Y
(1) RELAY_L
(1) RTSW
(3) V_MATER
(3) EE_Y
(3) VD_SYNC
(2) RF_C
(1,3,5) EE_SW_L
A5V
+12V
-5V

VIDEO I/O (6)

REF. NO. / MODE	IC3512													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	5.1	4.8	5.1	5.1	4.9	5.1	0	0	0	0	0	0	4.8	5.1
REC	0	0	0	5.1	1.3	0	0	0	5.1	0	0	0	0	5.1

REF. NO. / MODE	IC3513													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	4.7	0	5.1	5.1	5.1	0	0	0	5.1	4.5	0	5.1	4.7	5.1
REC	4.7	0	5.1	5.1	5.1	0	0	0	5.1	4.5	0	5.1	4.7	5.1

REF. NO. / MODE	IC3514													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	5.1	2.5	3.9	5.1	2.5	2.5	0	5.1	5.1	0	0	0	0	5.1
REC	5.1	2.5	3.9	5.1	2.5	2.5	0	5.1	5.1	0	0	0	0	5.1

REF. NO. / MODE	IC3515				
	1	2	3	4	5
PLAY	2.5	4.0	0	5.1	5.1
REC	2.5	3.9	0	5.1	5.1

REF. NO. / MODE	IC3516				
	1	2	3	4	5
PLAY	0	0	0	0	5.1
REC	0	0	0	0	5.1

REF. NO. / MODE	QR3503						QR3504			QR3501			QR3505		
	1	2	3	4	5	6	E	C	B	E	C	B	E	C	B
PLAY	4.7	1.7	2.1	4.7	2.1	1.4	4.7	-0.7	4.8	0	0	0	0	0	0
REC	4.7	1.7	1.3	4.7	1.3	0.6	4.7	4.7	0	0	0	0	0	5.1	0

REF. NO. / MODE	Q3501			Q3502			Q3503			Q3504			Q3505			Q3506		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	1.1	4.7	1.7	-2.6	3.8	-1.9	4.5	-0.7	3.8	0	-4.8	-0.6	0.6	3.2	1.3	0	0	-0.7
REC	0.3	4.7	0.9	-3.0	3.9	-2.3	4.6	-1.5	3.9	-0.8	-4.8	-1.5	0.6	3.1	1.3	-0.8	-0.6	0

REF. NO. / MODE	Q3507		
	E	C	B
PLAY	0	0	-0.7
REC	0.7	0	0

Ref No.3900 Series.

VIDEO I/O (6)

REF. NO.	IC3512													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	5.1	4.8	5.1	5.1	4.9	5.1	0	0	0	0	0	0	4.8	5.1
REC	0	0	0	5.1	1.3	0	0	0	5.1	0	0	0	0	5.1

REF. NO.	IC3513													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	4.7	0	5.1	5.1	5.1	0	0	0	5.1	4.5	0	5.1	4.7	5.1
REC	4.7	0	5.1	5.1	5.1	0	0	0	5.1	4.5	0	5.1	4.7	5.1

REF. NO.	IC3514													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	5.1	2.5	3.9	5.1	2.5	2.5	0	5.1	5.1	0	0	0	0	5.1
REC	5.1	2.5	3.9	5.1	2.5	2.5	0	5.1	5.1	0	0	0	0	5.1

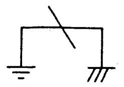
REF. NO.	IC3515				
MODE	1	2	3	4	5
PLAY	2.5	4.0	0	5.1	5.1
REC	2.5	3.9	0	5.1	5.1

REF. NO.	IC3516				
MODE	1	2	3	4	5
PLAY	0	0	0	0	5.1
REC	0	0	0	0	5.1

REF. NO.	QR3503						QR3504			QR3501			QR3505		
MODE	1	2	3	4	5	6	E	C	B	E	C	B	E	C	B
PLAY	4.7	1.7	2.1	4.7	2.1	1.4	4.7	-0.7	4.8	0	0	0	0	0	0
REC	4.7	1.7	1.3	4.7	1.3	0.6	4.7	4.7	0	0	0	0	0	5.1	0

REF. NO.	Q3501			Q3502			Q3503			Q3504			Q3505			Q3506		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	1.1	4.7	1.7	-2.6	3.8	-1.9	4.5	-0.7	3.8	0	-4.8	-0.6	0.6	3.2	1.3	0	0	-0.7
REC	0.3	4.7	0.9	-3.0	3.9	-2.3	4.6	-1.5	3.9	-0.8	-4.8	-1.5	0.6	3.1	1.3	-0.8	-0.6	0

REF. NO.	Q3507		
MODE	E	C	B
PLAY	0	0	-0.7
REC	0.7	0	0



Ref No.3900 Series.

VIDEO I/O COMPARISON CHART 7/7

REF	DS555	DS545
C3006	*PAT/EVV	*PAT/EVV
C3007	0. 022/UBN	*PAT/UBN
C3008	*PAT/EVV	*PAT/EVV
C3012	*PAT/UN	*PAT/UN
C3047	*PAT/UN	*PAT/UN
C3056	*PAT/UN	*PAT/UN
C3064	*PAT/UN	*PAT/UN
C3083	*PAT/UN	*PAT/UN
C3211	*PAT/UN	*PAT/UN
C3224	*PAT/UN	*PAT/UN
C3243	*PAT/UN	*PAT/UN
C3348	25V4R7/EVN	*PAT/EVN
C3373	*PAT/UN	*PAT/UN
C3374	*PAT/UN	*PAT/UN
C3501	*PAT/UN	*PAT/UN
C3601	330P/UN	*PAT/UN
C3602	180P/UN	*PAT/UN
C3603	0. 1/UBN	*PAT/UBN
C3605	0. 01/UBN	*PAT/UBN
C3606	0. 01/UBN	*PAT/UBN
C3607	47P/UN	*PAT/UN
C3608	0. 1/UBN	*PAT/UBN
C3609	330P/UN	*PAT/UN
C3610	0. 1/UBN	*PAT/UBN
C3611	82P/UN	*PAT/UN
C3612	0. 01/UBN	*PAT/UBN
C3613	6V47/EVV	*PAT/EVV
C3614	0. 01/UBN	*PAT/UBN
C3615	0. 01/UBN	*PAT/UBN
C3616	33P/UN	*PAT/UN
C3617	33P/UN	*PAT/UN
C3618	0. 01/UBN	*PAT/UBN
C3619	6V47/EVV	*PAT/EVV
C3620	0. 068/UBN	*PAT/UBN
C3621	22P/UN	*PAT/UN
C3622	270P/UN	*PAT/UN
C3623	470P/UN	*PAT/UN
C3624	12P/UN	*PAT/UN
C3625	15P/UN	*PAT/UN
C3626	0. 01/UBN	*PAT/UBN
C3627	270P/UN	*PAT/UN
C3628	100P/UN	*PAT/UN
C3629	0. 01/UBN	*PAT/UBN
C3630	180P/UN	*PAT/UN
C3631	0. 01/UBN	*PAT/UBN
C3632	0. 01/UBN	*PAT/UBN

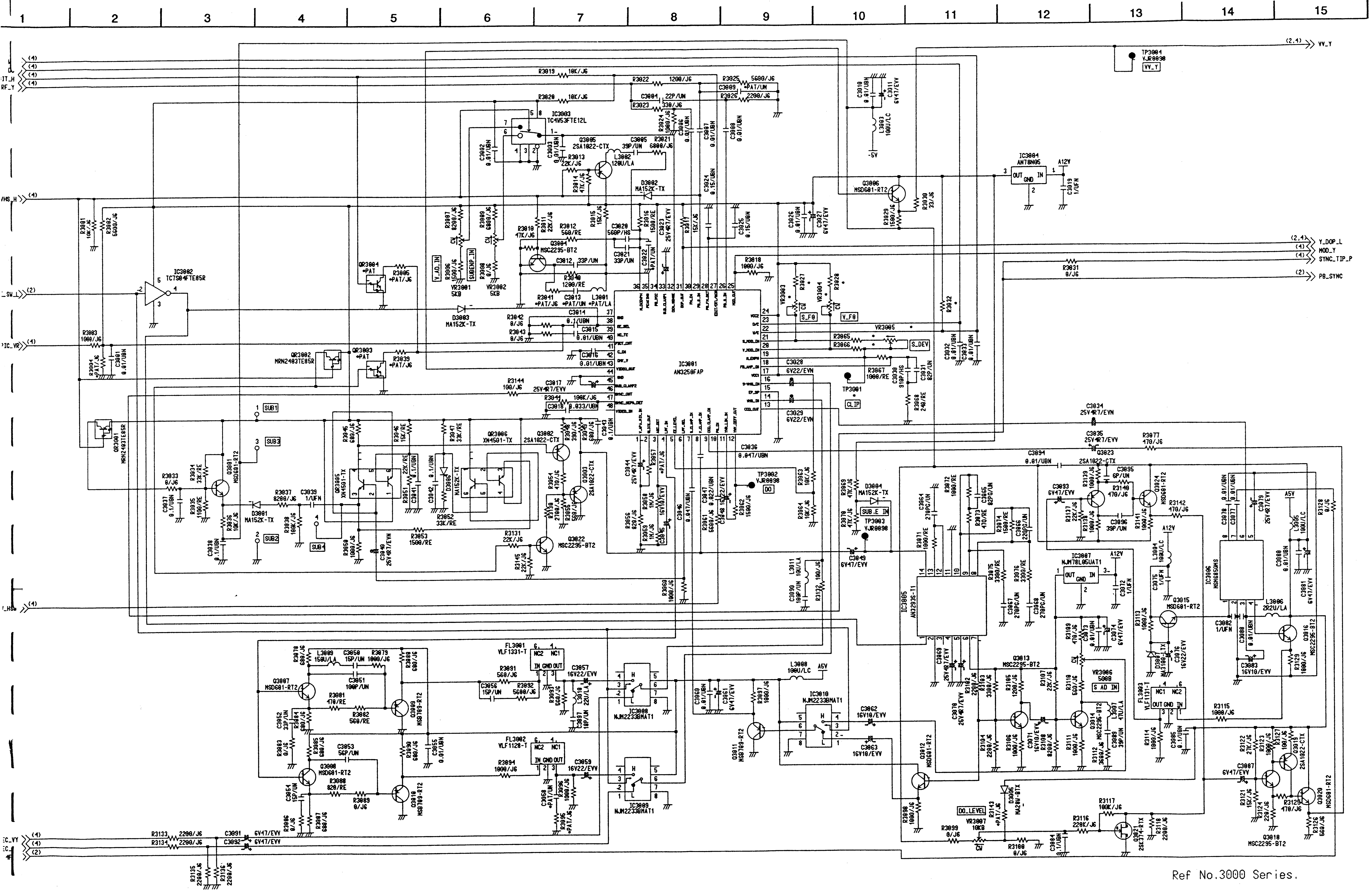
REF	DS555	DS545
R3601	0/J6	*PAT/J6
R3602	3300/J6	*PAT/J6
R3603	680/J6	*PAT/J6
R3604	1000/J6	*PAT/J6
R3605	1500/J6	*PAT/J6
R3606	1000/J6	*PAT/J6
R3607	1500/J6	*PAT/J6
R3608	220/J6	*PAT/J6
R3609	1500/J6	*PAT/J6
R3610	10K/J6	*PAT/J6
R3611	10K/J6	*PAT/J6
R3612	47K/J6	*PAT/J6
R3613	680/J6	*PAT/J6
R3614	22K/J6	*PAT/J6
R3615	680/J6	*PAT/J6
R3616	1000/J6	*PAT/J6
R3617	1000/J6	*PAT/J6
R3618	1000/J6	*PAT/J6
R3619	15K/J6	*PAT/J6
R3620	22K/J6	*PAT/J6
R3621	1000/J6	*PAT/J6
R3622	470/J6	*PAT/J6
R3623	1800/J6	*PAT/J6
R3624	330/J6	*PAT/J6
R3625	0/J6	*PAT/J6
R3626	1000/J6	*PAT/J6
R3627	27/J6	*PAT/J6
R3628	0/J6	*PAT/J6
R3629	3300/J6	*PAT/J6
R3630	2200/J6	*PAT/J6
R3631	330/J6	*PAT/J6
R3632	330/J6	*PAT/J6
R3633	2200/J6	*PAT/J6
R3634	82/J6	*PAT/J6
R3635	1000/J6	*PAT/J6
R3636	150/J6	*PAT/J6
R3637	390/J6	*PAT/J6
R3638	470/J6	*PAT/J6
R3639	2200/J6	*PAT/J6
R3640	2200/J6	*PAT/J6
R3641	270/J6	*PAT/J6
R3642	1000/J6	*PAT/J6
R3643	680/J6	*PAT/J6
R3644	470/J6	*PAT/J6
R3645	0/J6	*PAT/J6
R3646	2700/J6	*PAT/J6

REF	DS555	DS545
C3633	0. 01/UBN	*PAT/UBN
C3634	0. 01/UBN	*PAT/UBN
C3635	0. 01/UBN	*PAT/UBN
C3636	0. 01/UBN	*PAT/UBN
C3637	0. 01/UBN	*PAT/UBN
C3638	0. 01/UBN	*PAT/UBN
C3639	50V3R3/EVV	*PAT/EVV
C3640	6V47/EVV	*PAT/EVV
C3641	0. 01/UBN	*PAT/UBN
D3002	MA152K-TX	*PAT
D3004	*PAT	*PAT
D3005	*PAT	*PAT
D3305	*PAT	*PAT
FL3202	*PAT	*PAT
FL3203	*PAT	*PAT
FL3502	*PAT	*PAT
IC3601	AN6308S	*PAT
IC3602	AN6308S	*PAT
L3023	*PAT/LA	*PAT/LA
L3024	*PAT/LA	*PAT/LA
L3601	120U/LA	*PAT/LA
L3602	68U/LA	*PAT/LA
L3603	220U/LA	*PAT/LA
L3604	100U/LC	*PAT/LC
L3605	100U/LC	*PAT/LC
L3606	6R8U/LA	*PAT/LA
L3607	150U/LA	*PAT/LA
L3608	6R8U/LA	*PAT/LA
L3609	3R9U/LA	*PAT/LA
L3610	150U/LA	*PAT/LA
L3611	220U/LA	*PAT/LA
L3612	39U/LA	*PAT/LA
L3613	33U/LA	*PAT/LA
L3614	82U/LA	*PAT/LA
L3615	270U/LB	*PAT/LB
L3616	100U/LC	*PAT/LC
Q3001	2SB643-QRS	*PAT
Q3330	MSB709-RT2	*PAT
Q3601	MSD601-RT2	*PAT
Q3602	MSD601-RT2	*PAT
Q3603	MSD601-RT2	*PAT
Q3604	MSC2295-BT2	*PAT
Q3605	MSB709-RT2	*PAT
Q3606	MSC2295-BT2	*PAT
Q3607	MSD601-RT2	*PAT
Q3608	MSD601-RT2	*PAT

REF	DS555	DS545
R3647	1000/J6	*PAT/J6
R3648	1000/J6	*PAT/J6
R3649	150/J6	*PAT/J6
R3650	1000/J6	*PAT/J6
R3651	1000/J6	*PAT/J6
R3652	820/J6	*PAT/J6
R3653	10K/J6	*PAT/J6
R3654	2200/J6	*PAT/J6
R3655	27K/J6	*PAT/J6
R3903	*PAT/J6	*PAT/J6
TP3601	VJR0098	*PAT
TP3602	VJR0098	*PAT
VR3601	2KB	*PAT

REF	DS555	DS545
Q3609	MSD601-RT2	*PAT
Q3610	MSD601-RT2	*PAT
Q3611	MSD601-RT2	*PAT
Q3612	MSC2295-BT2	*PAT
QR3004	MRN1404TE85R	*PAT
QR3005	MRN2404TE85R	*PAT
QR3006	DTC363EK-T97	*PAT
QR3007	*PAT	*PAT
QR3502	*PAT	*PAT
R3009	3300/J6	*PAT/J6
R3010	3300/J6	*PAT/J6
R3011	22K/J6	*PAT/J6
R3012	3300/J6	*PAT/J6
R3015	*PAT/J6	*PAT/J6
R3022	*PAT/J6	*PAT/J6
R3023	*PAT/J6	*PAT/J6
R3069	*PAT/J6	*PAT/J6
R3087	*PAT/J6	*PAT/J6
R3101	*PAT/J6	*PAT/J6
R3109	*PAT/J6	*PAT/J6
R3130	33/J6	*PAT/J6
R3131	33/J6	*PAT/J6
R3214	*PAT/J6	*PAT/J6
R3233	*PAT/J6	*PAT/J6
R3241	*PAT/J6	*PAT/J6
R3244	*PAT/J6	*PAT/J6
R3253	*PAT/J6	*PAT/J6
R3276	*PAT/J6	*PAT/J6
R3323	*PAT/J6	*PAT/J6
R3324	*PAT/J6	*PAT/J6
R3346	*PAT/J6	*PAT/J6
R3347	*PAT/J6	*PAT/J6
R3378	*PAT/J6	*PAT/J6
R3403	3R3M/J6	10K/J6
R3433	3300/J6	*PAT/J6
R3436	*PAT/J6	*PAT/J6
R3445	*PAT/J6	*PAT/J6
R3501	*PAT/J6	*PAT/J6

O YC (1) SCHEMATIC DIAGRAM 1/6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FL3002
VLF1128-T
FL3003
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QR3006
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MA152K-TX
D3003
MA152K-TX
D3004
MA152K-TX
D3006
MA28V-BTX
VR3001
5KB
VR3002
5KB
VR3003
VR3004
VR3005
VR3006
500B
VR3007
10KB
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CLIP
TP3002
VJR0098
DO
TP3003
VJR0098
TP3004
VJR0098
VV_Y
SUB1
SUB2
SUB3
SUB4
SUB.E IN
S_F0
V_F0
S_DEV
S AD IN
DO_LEVEL
V_XO_IN
SUBENP_IN
(2,4)
VV_Y
Y_DOP_L
MOD_Y
SYNC_TIP_P
PB_SYNC
A12V
A5V
-5V
/HS_H
_SW_L
PIC_VR
_HSW
EC_VY
R3133 2200/J6
R3134 2200/J6
R3135 2200/J6
R3136 2200/J6
C3091 6V47/EVV
C3092 6V47/EVV

Ref No.3000 Series.

VIDEO Y

REF. NO. MODE
PLAY
REC
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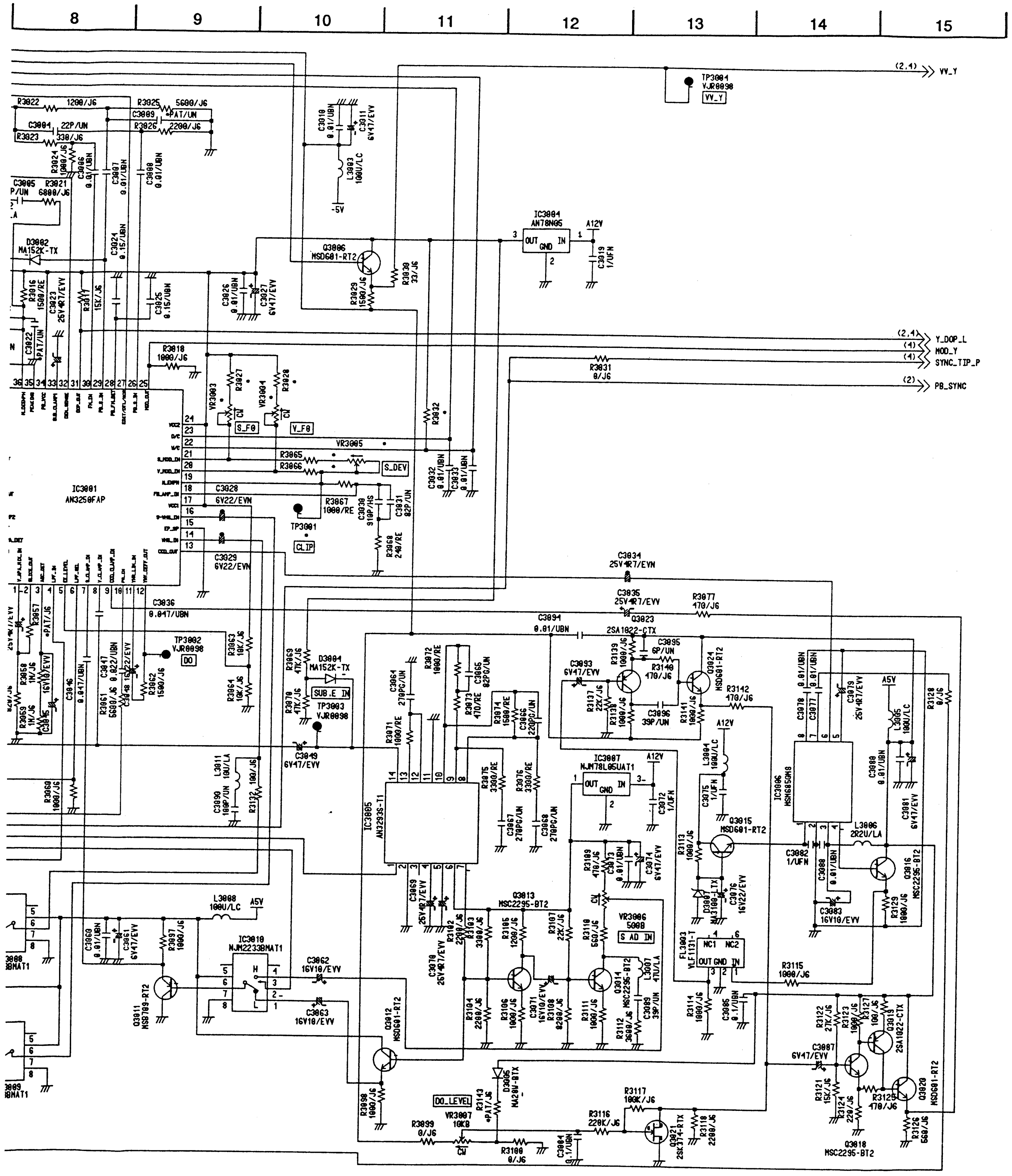
REC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IC3007
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IC3010
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Q3023
2SA1022-CTX
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MSC2295-BT2
Q3020
MSD601-RT2
Q3011
MSD789-RT2
Q3012
MSD601-RT2
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MA152K-TX
D3004
MA152K-TX
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TP3002
TP3003
TP3004
VJR0898
W_Y
Y_DOP_L
MOD_Y
SYNC_TIP_P
PB_SYNC
S_F0
V_F0
S_DEV
CLIP
DO
SUB_E_IN
S_AD_IN
DO_LEVEL
VR3003
VR3004
VR3005
VR3006
VR3007
FL3003
L3003
L3005
L3006
L3007
L3008
L3011
A12V
A5V
-5V

Ref No.3000 Series.

VIDEO YC (1)

REF. NO. / MODE	Q3001			Q3002			Q3003			Q3004			Q3005			Q3006		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	4.3	4.9	4.9	4.3	1.5	3.6	1.5	0	0.7	0	1.4	0.2	5.0	4.9	4.3	1.7	5.0	2.3
REC	4.3	4.9	4.9	4.2	1.6	3.5	1.5	0	0.8	0	1.4	0.2	5.0	4.9	4.3	0.9	5.0	1.5

REF. NO. / MODE	Q3007			Q3008			Q3009			Q3010			Q3011			Q3012		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	1.5	3.0	2.1	1.6	3.0	2.2	2.1	0	1.5	2.2	0	1.5	2.6	0	1.9	1.5	4.6	2.1
REC	1.4	3.1	2.0	1.4	3.1	2.0	2.0	0	1.4	2.0	0	1.4	2.6	0	1.9	1.5	4.6	2.2

REF. NO. / MODE	Q3013			Q3014			Q3015			Q3016			Q3018			Q3019		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	1.4	3.1	2.1	0.5	3.9	1.2	9.0	11.4	9.7	2.5	4.6	3.2	0.7	3.6	1.4	4.3	2.1	3.6
REC	1.5	3.0	2.2	0.5	3.9	1.2	9.1	11.3	9.7	2.5	4.6	3.2	0.7	3.6	1.4	4.3	2.1	3.6

REF. NO. / MODE	Q3020			Q3021			Q3022			Q3023			Q3024		
	E	C	B	G	S	D	E	C	B	E	C	B	E	C	B
PLAY	1.4	4.6	2.1	0.1	-0.4	0	0	0	0.6	1.5	-1.5	0.5	0.6	4.6	1.2
REC	1.5	4.6	2.1	0.1	-0.4	0	0	0	0.6	1.2	1.6	0.5	0.6	4.6	1.2

REF. NO. / MODE	QR3001			QR3002		
	E	C	B	E	C	B
PLAY	5.0	4.9	0.3	4.9	4.9	0.3
REC	5.0	4.9	0.3	4.9	4.9	0.3

REF. NO. / MODE	QR3005						QR3006					
	1	2	3	4	5	6	1	2	3	4	5	6
PLAY	5.0	2.6	1.9	3.6	2.9	2.6	5.0	2.4	1.9	5.0	2.7	2.4
REC	5.0	2.6	2.0	3.5	2.9	2.6	5.0	2.3	2.0	5.0	2.6	2.3

REF. NO. / MODE	IC3001																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	2.0	2.7	1.9	2.2	2.4	2.7	2.1	2.2	2.2	2.3	2.8	2.2	1.4	2.1	0	2.0	5.0	5.0	5.0	5.0
REC	2.0	2.7	2.3	2.0	2.4	2.6	2.2	2.2	2.2	2.6	2.8	2.0	1.5	2.0	0	2.0	5.0	2.2	2.2	2.0

REF. NO. / MODE	IC3001																			
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	5.0	3.3	1.6	5.0	3.7	2.8	2.4	3.2	0.9	2.9	4.9	1.3	2.6	5.0	1.7	3.2	0	1.3	2.0	2.6
REC	2.1	3.3	1.6	5.0	3.2	2.7	2.4	1.9	0.9	2.9	1.3	1.3	2.6	5.0	1.9	3.1	0	4.4	2.0	2.6

REF. NO. / MODE	IC3001							
	1	2	3	4	5	6	7	8
PLAY	3.3	0	2.3	0	2.5	0.3	2.5	2.9
REC	3.3	0.1	1.5	0	2.6	0.3	2.5	2.7

REF. NO. / MODE	IC3002				
	1	2	3	4	5
PLAY	0	4.8	0	0	4.9
REC	0	0	0	4.9	4.9

REF. NO. / MODE	IC3003							
	1	2	3	4	5	6	7	8
PLAY	1.3	0	0	0	0.3	0.8	1.3	4.9
REC	1.3	0	0	0	0.3	0.8	1.3	4.9

REF. NO. / MODE	IC3004		
	1	2	3
PLAY	11.4	0	5.0
REC	11.4	0	5.0

REF. NO. / MODE	IC3005													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	0	0	4.9	3.4	3.2	4.9	2.5	2.0	2.0	2.0	0	3.6	3.6	2.0
REC	4.9	0	4.9	3.4	3.2	4.9	2.6	2.8	2.8	2.8	0	3.5	3.5	2.0

REF. NO. / MODE	IC3006							
	1	2	3	4	5	6	7	8
PLAY	9.1	0	4.6	3.2	3.1	1.9	1.4	4.6
REC	9.1	0	4.6	3.2	3.1	1.9	1.4	4.6

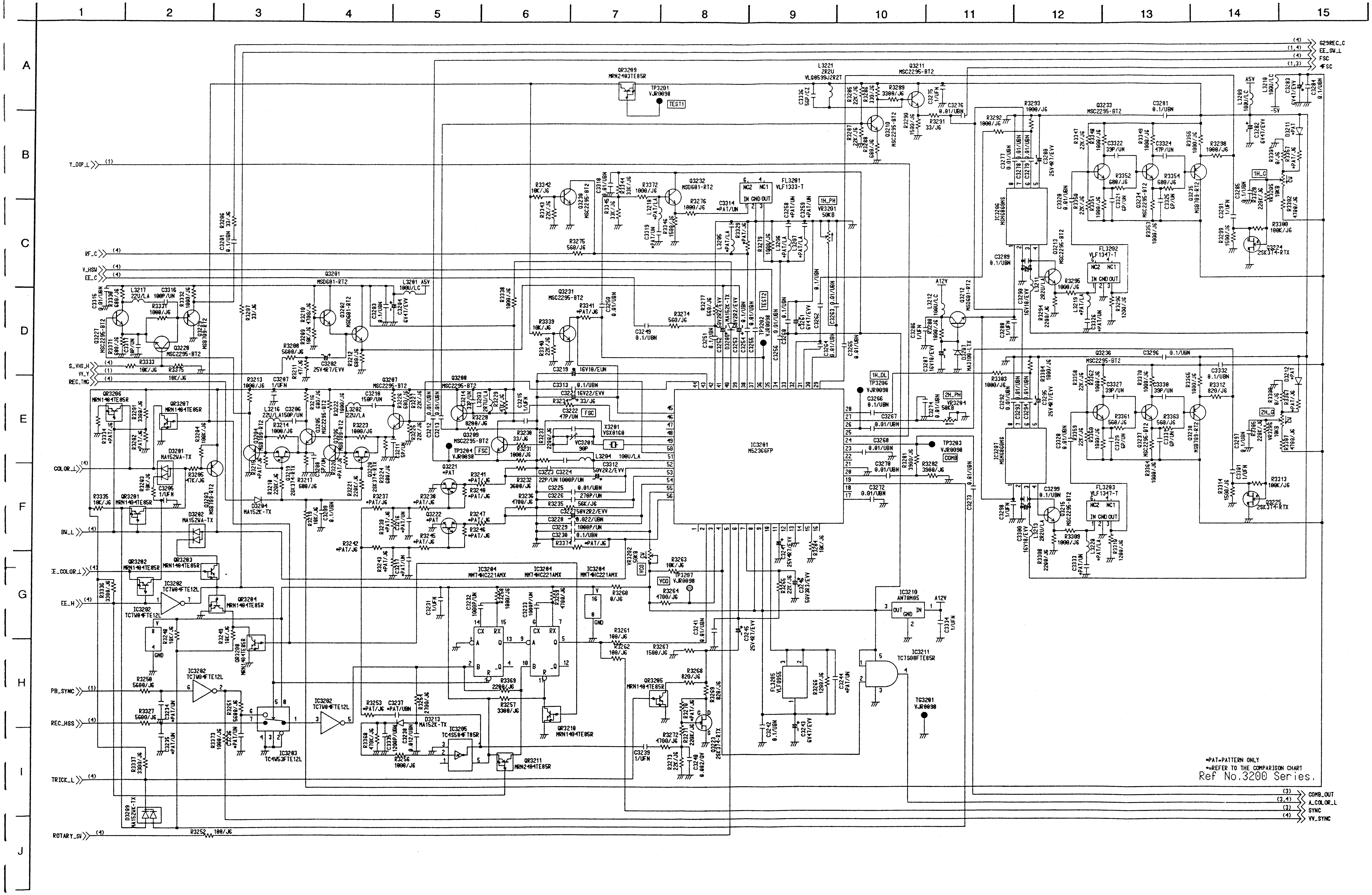
REF. NO. / MODE	IC3007		
	1	2	3
PLAY	4.9	0	11.4
REC	4.9	0	11.4

REF. NO. / MODE	IC3008							
	1	2	3	4	5	6	7	8
PLAY	2.7	4.8	2.7	0	0	4.6	1.9	0
REC	2.7	0	2.7	0	0	4.6	1.9	0

REF. NO. / MODE	IC3009							
	1	2	3	4	5	6	7	8
PLAY	2.7	4.8	2.7	0	0	4.6	1.9	0
REC	2.7	0	2.7	0	0	4.6	1.9	0

REF. NO. / MODE	IC3010							
	1	2	3	4	5	6	7	8
PLAY	2.7	4.8	2.7	0	0	4.6	1.9	0
REC	2.7	0	2.7	0	0	4.6	1.9	0

VIDEO YC (2) SCHEMATIC DIAGRAM 2/6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FSC
FSC
Y_DOP_L
RF_C
V_HSW
EE_C
S_VHS_H
VV_Y
REC_TMG
COLOR_L
BW_L
EE_COLOR_L
EE_H
PB_SYNC
REC_HSS
TRICK_L
ROTARY_SW
COMB_OUT
A_COLOR_L
SYNC
VV_SYNC
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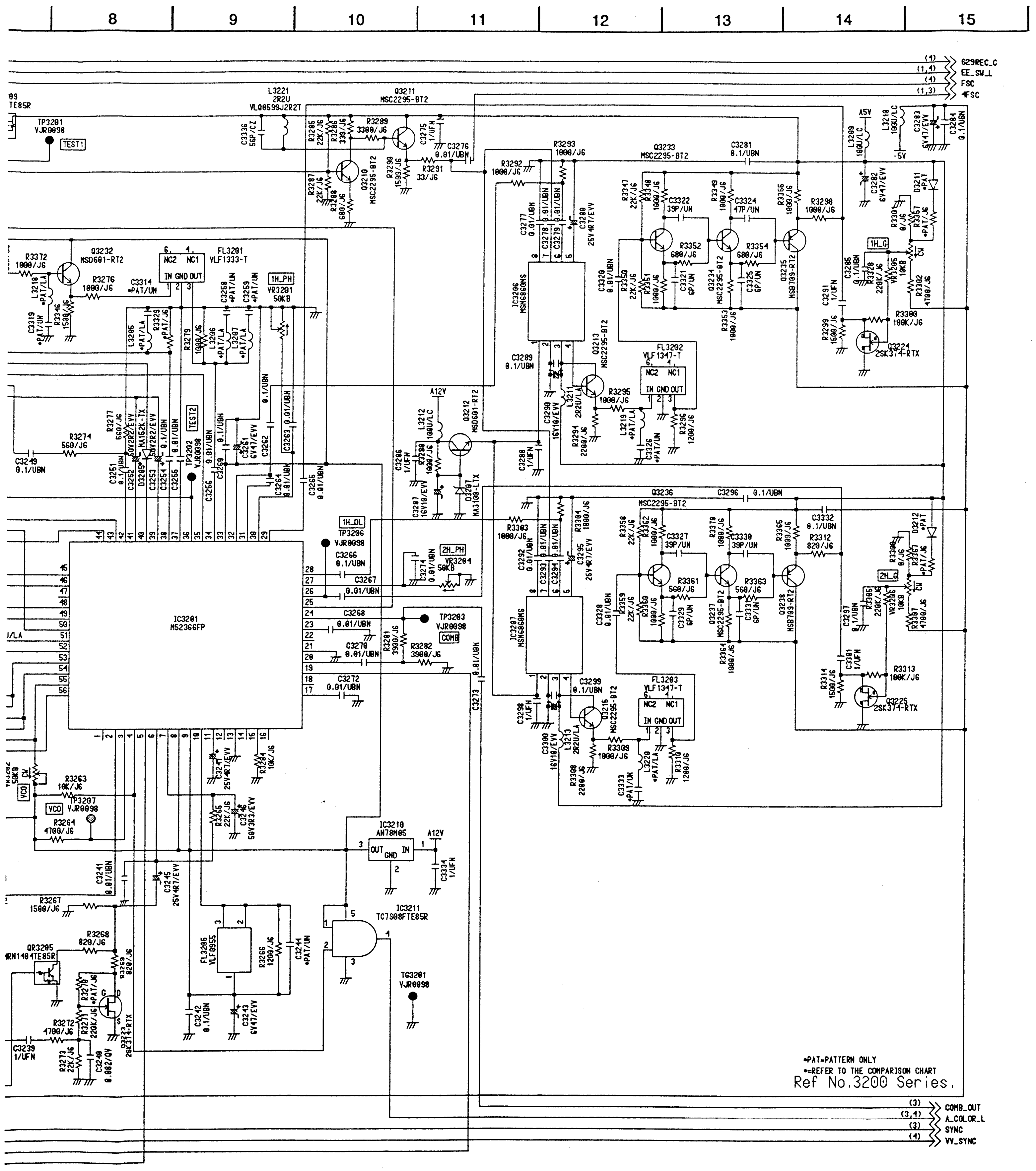
TP3201
TEST1
TP3202
TEST2
TP3203
COMB
TP3204
FSC
TP3206
1H_DL
TP3207
VCO
TG3201
VJR0098
1H_PH
1H_C
2H_PH
2H_C
A5V
A12V
-5V
*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.3200 Series.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629REC_C
EE_SW_L
FSC
*FSC
TP3201 VJR0098
TEST1
L3221 2R2U VLQ0599J2R2T
Q3211 MSC2295-BT2
Q3233 MSC2295-BT2
Q3232 MSD601-RT2
FL3201 VLF1333-T
VR3201 50KB
1H_PH
1H_DL
TP3206 VJR0098
2H_PH
VR3204 50KB
TEST2
TP3202 VJR0098
IC3206 MSM6860MS
IC3207 MSM6860MS
FL3202 VLF1347-T
FL3203 VLF1347-T
Q3212 MSD601-RT2
Q3236 MSC2295-BT2
Q3224 2SK374-RTX
Q3225 2SK374-RTX
1H_G
2H_G
IC3201 M52366FP
TP3203 VJR0098
COMB
VCO
TP3207 VJR0098
IC3210 AN78M05
A12V
IC3211 TC7S08FTE85R
TG3201 VJR0098
FL3205 VLF0955
QR3205 RN1404TE85R
COMB_OUT
A_COLOR_L
SYNC
VV_SYNC

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.3200 Series.

VIDEO YC (2)

REF. NO. / MODE	IC3201																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	0.4	1.0	0.3	4.8	3.2	3.2 .2	4.9	4.9	4.9	3.4	2.5	0	2.2	0	3.6	3.6	2.8	2.4	3.6
REC	0	0.4	0.9	0.3	2.1	3.2	3.2	4.9	4.9	4.9	3.4	4.0	0	4.4	0	3.8	3.6	4.4	4.8	3.8

REF. NO. / MODE	IC3201																			
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	0	1.4	3.4	2.6	4.9	3.4	3.3	2.5	3.4	3.3	3.4	2.3	4.9	3.6	3.0	2.1	2.9	4.0	2.5	3.7
REC	0	1.4	2.9	4.1	1.3	2.9	3.4	4.3	2.9	3.4	0	2.3	4.9	3.6	4.8	1.9	2.9	4.0	2.5	3.6

REF. NO. / MODE	IC3201															
	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
PLAY	2.5	2.9	2.5	2.1	3.0	4.7	0	1.8	3.1	0	3.8	0	2.0	3.5	3.2	3.7
REC	2.5	2.9	0	2.1	3.0	4.7	0	1.8	2.8	0	3.8	3.8	2.0	3.5	3.2	4.7

REF. NO. / MODE	IC3202							
	1	2	3	4	5	6	7	8
PLAY	0	4.5	4.5	0	0.3	0.3	4.8	4.9
REC	4.4	4.5	4.1	0	0.3	0.3	0	4.9

REF. NO. / MODE	IC3203							
	1	2	3	4	5	6	7	8
PLAY	4.5	0	0	0	4.8	4.5	4.1	4.9
REC	4.1	0	0	0	0	4.5	4.1	4.9

REF. NO. / MODE	IC3204															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	0.3	4.8	4.8	0.3	0	4.4	0	0	4.8	4.9	4.4	0	0	4.8	4.9
REC	0	0.3	0	4.9	0.3	0	4.4	0	0	0.3	4.9	4.4	0	0	4.9	4.9

REF. NO. / MODE	IC3205				
	1	2	3	4	5
PLAY	0	0.4	0	4.7	4.9
REC	0	0.4	0	4.7	4.9

REF. NO. / MODE	IC3206							
	1	2	3	4	5	6	7	8
PLAY	9.1	0	4.5	3.3	3.3	1.9	1.5	4.7
REC	9.1	0	4.5	3.3	3.3	1.9	1.5	4.7

REF. NO. / MODE	IC3207							
	1	2	3	4	5	6	7	8
PLAY	9.1	0	4.5	3.3	3.3	1.8	1.4	4.7
REC	9.1	0	4.4	3.3	3.3	1.9	1.4	4.7

REF. NO. / MODE	IC3210		
	1	2	3
PLAY	11.4	0	4.9
REC	11.4	0	4.9

REF. NO. / MODE	IC3211				
	1	2	3	4	5
PLAY	4.9	0.3	0	0	4.9
REC	4.9	4.9	0	4.8	4.9

REF. NO. / MODE	Q3201			Q3202			Q3203			Q3204			Q3205			Q3206		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	2.7	4.6	3.1	2.1	4.6	2.7	4.7	3.7	4.6	1.9	0	1.3	1.3	3.3	2.0	2.0	0	1.4
REC	2.7	4.6	3.1	2.1	4.6	2.7	4.7	4.6	4.1	1.9	0	1.3	1.3	3.3	2.0	2.0	0	1.3

REF. NO. / MODE	Q3207			Q3208			Q3209			Q3210			Q3211			Q3212		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	1.3	3.2	2.1	4.0	4.6	4.7	1.1	4.6	1.8	1.3	3.9	2.0	3.1	4.5	3.8	9.1	11.3	9.7
REC	1.3	3.2	2.1	4.0	4.6	4.7	1.1	4.6	1.8	1.3	3.8	2.0	3.1	4.4	3.8	9.1	11.3	9.7

REF. NO. / MODE	Q3213			Q3215			Q3219			Q3220			Q3223			Q3224		
	E	C	B	E	C	B	G	S	D	G	S	D	G	S	D	G	S	D
PLAY	2.6	4.4	3.3	2.6	4.4	3.3	1.3	0.2	1.3	1.4	0.2	1.3	0	0	0	0	-0.5	0
REC	2.5	4.4	3.3	2.5	4.4	3.3	1.3	0.2	1.3	1.4	0.2	1.4	0	0	0	0	-0.5	0

REF. NO. / MODE	Q3225			Q3227			Q3228			Q3229			Q3230			Q3231		
	G	S	D	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	0	-0.7	0	1.2	3.4	1.9	1.2	1.2	0.1	1.9	0	1.2	0	0	0	0	3.0	0
REC	0	-0.7	0	1.2	3.4	1.9	1.2	1.2	0.1	1.9	0	1.2	0	0	0	0	3.0	0

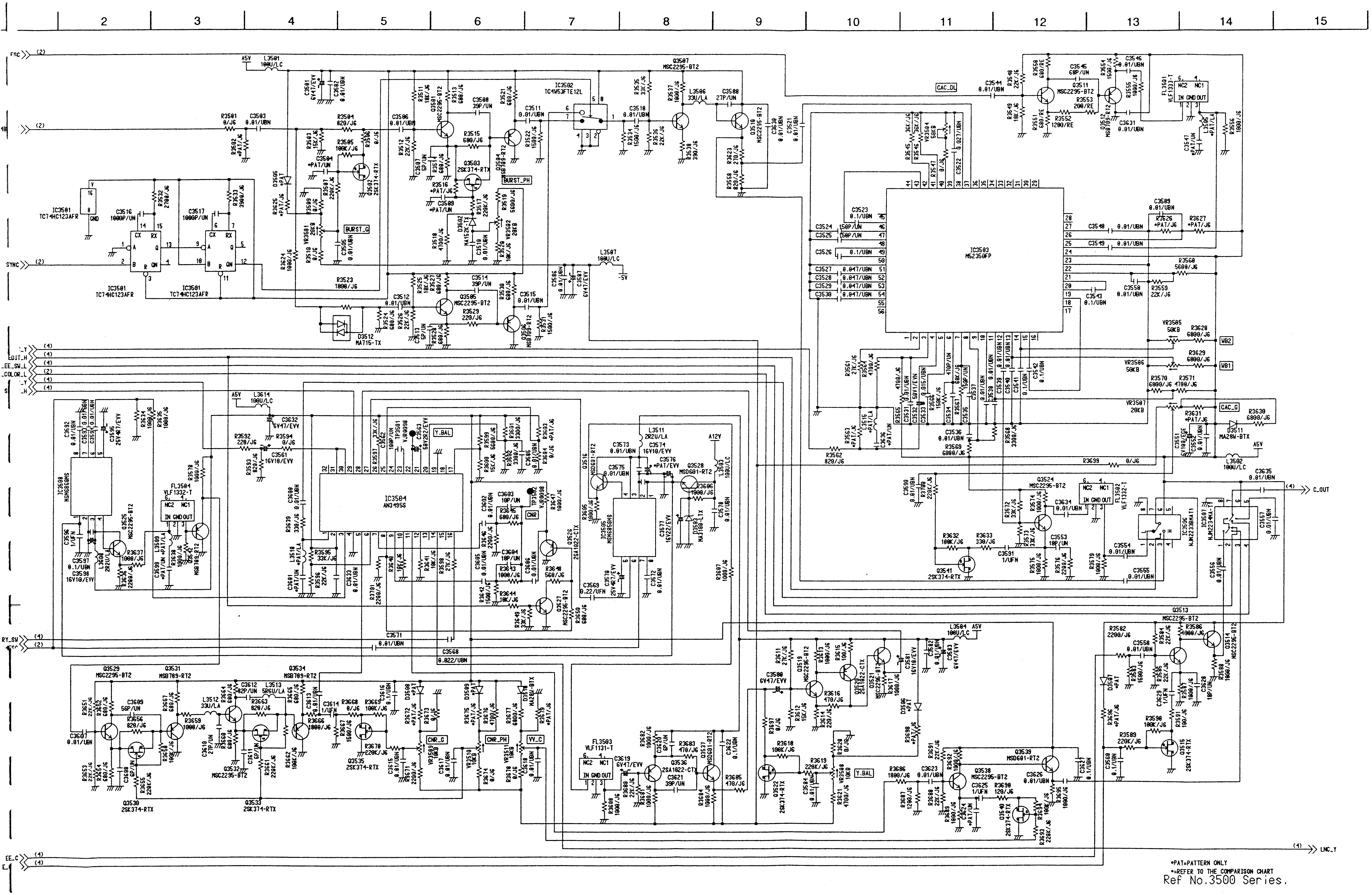
REF. NO. / MODE	Q3232			Q3233			Q3234			Q3235			Q3236			Q3237		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	1.6	4.9	2.2	-1.2	0.8	-0.4	-1.9	1.6	-1.2	-1.2	-4.8	-1.9	-1.2	0.9	-0.5	-2.0	1.6	-1.2
REC	1.6	4.9	2.2	-1.2	0.8	-0.4	-1.9	1.6	-1.2	-1.2	-4.8	-1.9	-1.2	0.9	-0.5	-2.0	1.6	-1.2

REF. NO. / MODE	Q3238		
	E	C	B
PLAY	-1.3	-4.8	-2.0
REC	-1.3	-4.8	-2.0

REF. NO. / MODE	QR3201			QR3202			QR3203			QR3204			QR3205			QR3206		
	E	C	B	E	C	B	G	S	D	G	S	D	G	S	D	G	S	D
PLAY	4.6	4.6	4.6	4.5	4.3	0	4.3	3.7	4.7	1.9	0	1.3	0	0	4.4	4.6	4.3	4.6
REC	3.3	2.5	4.5	0	0	4.4	0	4.6	0	1.9	0	1.3	0	0	4.4	4.5	4.4	4.5

REF. NO. / MODE	QR3207			QR3208			QR3209			QR3210			QR3211		
	G	S	D	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	0	4.1	0	0	0	0	4.5	0	4.4	0	4.9	0	4.9	4.8	0
REC	4.3	0	0	0	4.8	0	4.5	0	4.4	0	4.9	0	4.9	0.3	4.4

YC (3) SCHEMATIC DIAGRAM 3/6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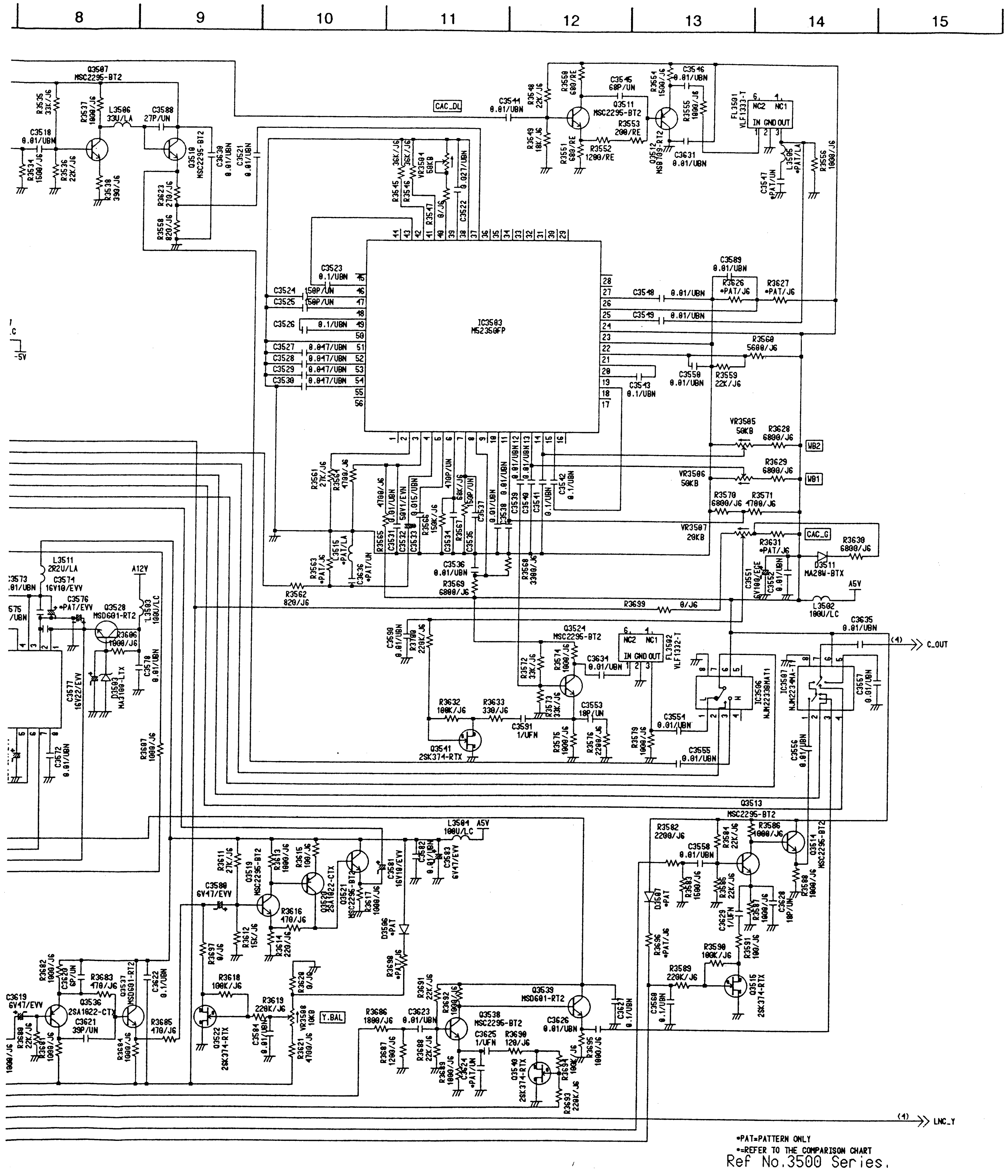
FSC
SYNC
IC3501 TC74HC123AFR
IC3502 TC4W53FTE12L
IC3503 M52350FP
IC3504 AN3495S
IC3505 MSM6958HS
IC3506 NJM2233BMA11
IC3507 NJM2234M-T
IC3508 MSM6958HS
FL3501 VLF1332-T
FL3502 VLF1332-T
FL3503 VLF1131-T
FL3504 VLF1332-T
BURST_G
BURST_PH
CAC_DL
CAC_G
WB1
WB2
Y.BAL
CNR
CNR_G
CNR_PH
YV_C
C_OUT
LNC_Y
A5V
A12V
-5V

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.3500 Series.

VIDEO YC

REF. NO. / MODE	
REF. NO.	
MODE	E
PLAY	1.6
REC	1.6
REF. NO.	
MODE	E
PLAY	0.8
REC	0.8
REF. NO.	
MODE	G
PLAY	0
REC	0
REF. NO.	
MODE	E
PLAY	1.2
REC	1.2
REF. NO.	
MODE	G
PLAY	1.3
REC	1.3
REF. NO.	
MODE	E
PLAY	1.2
REC	1.2
REF. NO.	
MODE	E
PLAY	0.5
REC	0.5
REF. NO.	
MODE	1
PLAY	0
REC	0
REF. NO.	
MODE	1
PLAY	0
REC	0
REF. NO.	
MODE	1
PLAY	0
REC	0
REF. NO.	
MODE	21
PLAY	3.4
REC	3.4
REF. NO.	
MODE	41
PLAY	2.4
REC	2.4
REF. NO.	
MODE	1
PLAY	2.9
REC	2.9
REF. NO.	
MODE	21
PLAY	2.7
REC	2.7
REF. NO.	
MODE	1
PLAY	9.0
REC	9.0

REF. NO. / MODE	
REF. NO.	
MODE	1
PLAY	2.6
REC	2.6
REF. NO.	
MODE	1
PLAY	2.6
REC	2.5
REF. NO.	
MODE	1
PLAY	9.0
REC	9.0



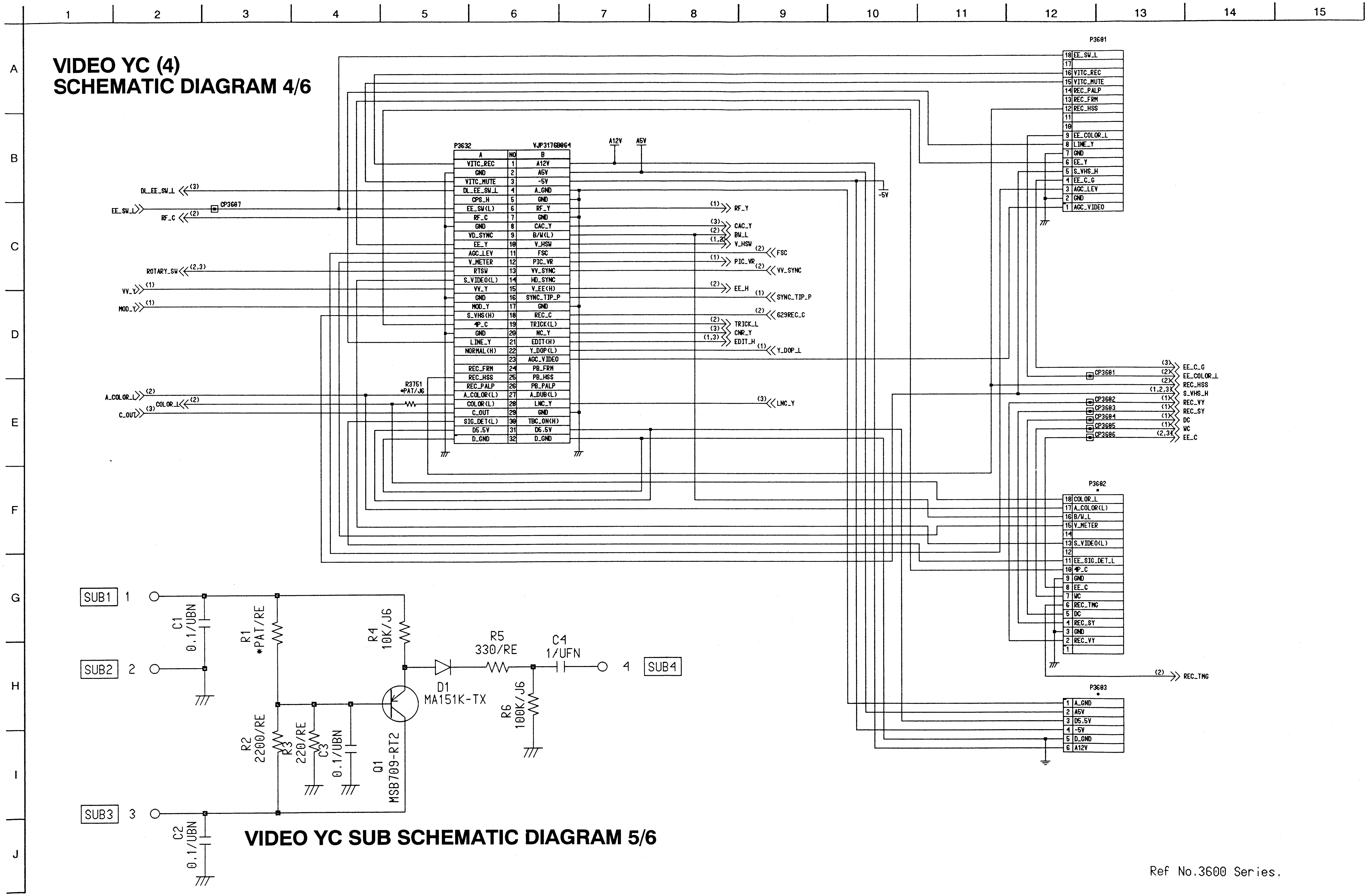
VIDEO YC (3)

REF. NO.	Q3501			Q3502			Q3503			Q3504			Q3505			Q3506				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	1.6	3.0	2.3	0	-0.8	0	1.6	0.8	1.5	2.2	0	1.6	1.5	3.0	2.3	2.2	0	1.5		
REC	1.6	3.0	2.3	0	-0.8	0	1.6	0.8	1.6	2.2	0	1.6	1.5	3.0	2.3	2.2	0	1.5		
REF. NO.	Q3507			Q3510			Q3511			Q3512			Q3513			Q3514				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	0.8	2.4	1.5	1.7	4.7	2.4	1.0	3.2	1.8	1.7	0	1.1	1.3	3.0	2.0	2.2	4.4	3.0		
REC	0.8	2.4	1.5	1.7	4.7	2.4	1.1	3.2	1.8	1.7	0	1.0	1.3	3.0	2.0	2.2	4.4	3.0		
REF. NO.	Q3515			Q3516			Q3519			Q3520			Q3521			Q3522				
MODE	G	S	D	E	C	B	E	C	B	E	C	B	E	C	B	G	S	D		
PLAY	0	-0.8	0	2.6	4.6	3.2	0.7	3.6	1.4	4.3	2.0	3.6	1.3	4.6	2.0	0.1	-0.3	0		
REC	0	-0.8	0	2.5	4.6	3.2	0.7	3.6	1.4	4.3	2.0	3.6	1.3	4.6	2.0	0.1	-0.3	0		
REF. NO.	Q3524			Q3525			Q3526			Q3527			Q3528			Q3529				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	1.2	3.1	1.9	2.5	4.4	3.2	2.2	0	1.5	0	1.5	0	9.0	11.3	9.7	1.3	3.1	2.0		
REC	1.2	3.1	1.9	2.5	4.4	3.2	2.2	0	1.5	0	1.5	0	9.0	11.3	9.7	1.2	3.1	2.0		
REF. NO.	Q3530			Q3531			Q3532			Q3533			Q3534			Q3535				
MODE	G	S	D	E	C	B	E	C	B	G	S	D	E	C	B	G	S	D		
PLAY	1.3	0.4	1.3	1.9	0	1.3	1.2	3.1	1.9	1.2	0.4	1.2	1.8	0	1.2	0	-0.5	0		
REC	1.3	0.4	1.3	1.9	0	1.3	1.2	3.1	1.9	1.2	0.4	1.2	1.8	0	1.2	0	-0.5	0		
REF. NO.	Q3536			Q3537			Q3538			Q3539			Q3540			Q3541				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	G	S	D	G	S	D		
PLAY	1.2	-1.5	0.5	0.6	4.6	1.2	1.3	3.0	2.0	2.4	4.4	3.0	0	-0.4	0	0	-0.8	0		
REC	1.2	-1.5	0.5	0.6	4.6	1.2	1.3	3.0	2.0	2.4	4.4	3.0	0	-0.4	0	0	-0.8	0		
REF. NO.	Q3542																			
MODE	E	C	B																	
PLAY	0.5	0	0																	
REC	0.5	0	0																	
REF. NO.	IC3501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	0.3	4.7	4.4	0.2	0	4.3	0	0.1	4.7	4.7	4.3	0.1	0	4.4	4.7				
REC	0	0	4.7	4.7	0	0	4.7	0	0	4.7	4.7	4.7	0	0	4.7	4.7				
REF. NO.	IC3502																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0	0	0	0	4.3	0	0	4.7												
REC	0	0	0	0	4.3	0	0	4.7												
REF. NO.	IC3503																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	2.4	2.2	2.6	2.0	2.4	2.6	1.4	1.6	2.1	2.5	1.4	1.8	1.0	2.6	0.3	0	1.7	2.6	1.7
REC	0	2.3	2.1	2.1	2.4	3.3	3.2	1.4	3.1	2.1	2.5	1.4	1.8	1.0	0.8	0	0	1.0	0.8	1.1
REF. NO.	IC3503																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	3.4	0	4.4	2.6	2.1	2.1	0	0	0	0	0	0	0	0	0	0	2.6	0	2.4	2.3
REC	3.4	0	4.4	2.5	2.1	2.1	0	0	0	0	0	0	0	0	0	0	2.5	0	2.4	2.3
REF. NO.	IC3503																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56				
PLAY	2.4	0	1.9	0	0	3.3	1.9	1.9	1.9	3.3	0	2.8	2.7	2.8	2.7	0				
REC	2.4	2.4	1.9	0	0	0	0	0	1.9	0.2	0	0.9	1.2	1.0	0.9	0				
REF. NO.	IC3504																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	2.9	0	0	0	2.9	1.8	2.9	1.5	2.9	0	1.4	0.1	0	0	0	2.4	3.2	0	0	2.2
REC	2.9	4.4	1.2	0	2.9	1.7	2.9	1.5	2.9	0	1.3	0	1.3	1.3	0.3	2.0	3.2	0.4	0	2.2
REF. NO.	IC3504																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32								
PLAY	2.7	2.5	2.0	2.0	0	4.4	1.2	3.3	0.4	3.3	3.3	0								
REC	2.7	2.5	2.0	2.0	0	4.4	1.2	3.3	0.4	3.3	3.3	0								
REF. NO.	IC3505																			
MODE	1	2	3	4	5	6	7	8												
PLAY	9.0	0	4.6	3.2	3.2	2.0	1.4	4.5												
REC	9.0	0	4.6	3.2	3.1	1.9	1.4	4.5												

REF. NO.	IC3506																			
MODE	1	2	3	4	5	6	7	8												
PLAY	2.6	0	2.6	0	0	4.4	1.8	0												
REC	2.6	0	2.6	0	0	4.4	1.8	0												
REF. NO.	IC3507																			
MODE	1	2	3	4	5	6	7	8												
PLAY	2.6	5.1	2.6	0	2.6	4.4	1.8	0												
REC	2.5	0	2.6	0	2.6	4.4	1.8	0												
REF. NO.	IC3508																			
MODE	1	2	3	4	5	6	7	8												
PLAY	9.0	0	4.4	3.2	3.2	1.8	1.5	4.7												
REC	9.0	0	4.4	3.2	3.2	1.8	1.5	4.8												

VIDEO YC (4) SCHEMATIC DIAGRAM 4/6

VIDEO YC SUB SCHEMATIC DIAGRAM 5/6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A
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H
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J
P3632
VJP3176B064
A
NO
B
VITC_REC 1 A12V
GND 2 A5V
VITC_MUTE 3 -5V
DL_EE_SW_L 4 A_GND
CPS_H 5 GND
EE_SW(L) 6 RF_Y
RF_C 7 GND
GND 8 CAC_Y
VD_SYNC 9 B/W(L)
EE_Y 10 V_HSW
AGC_LEV 11 FSC
V_METER 12 PIC_VR
RTSW 13 VV_SYNC
S_VIDEO(L) 14 HD_SYNC
VV_Y 15 V_EE(H)
GND 16 SYNC_TIP_P
MOD_Y 17 GND
S_VHS(H) 18 REC_C
4P_C 19 TRICK(L)
GND 20 NC_Y
LINE_Y 21 EDIT(H)
NORMAL(H) 22 Y_DOP(L)
23 AGC_VIDEO
REC_FRM 24 PB_FRM
REC_HSS 25 PB_HSS
REC_PALP 26 PB_PALP
A_COLOR(L) 27 A_DUB(L)
COLOR(L) 28 LNC_Y
C_OUT 29 GND
SIG_DET(L) 30 TBC_ON(H)
D5.5V 31 D5.5V
D_GND 32 D_GND
A12V
A5V
-5V
DL_EE_SW_L (3)
EE_SW_L
CP3607
RF_C (2)
ROTARY_SW (2,3)
VV_Y (1)
MOD_Y (1)
A_COLOR_L (2)
COLOR_L (2)
C_OUT (3)
R3751
*PAT/J6
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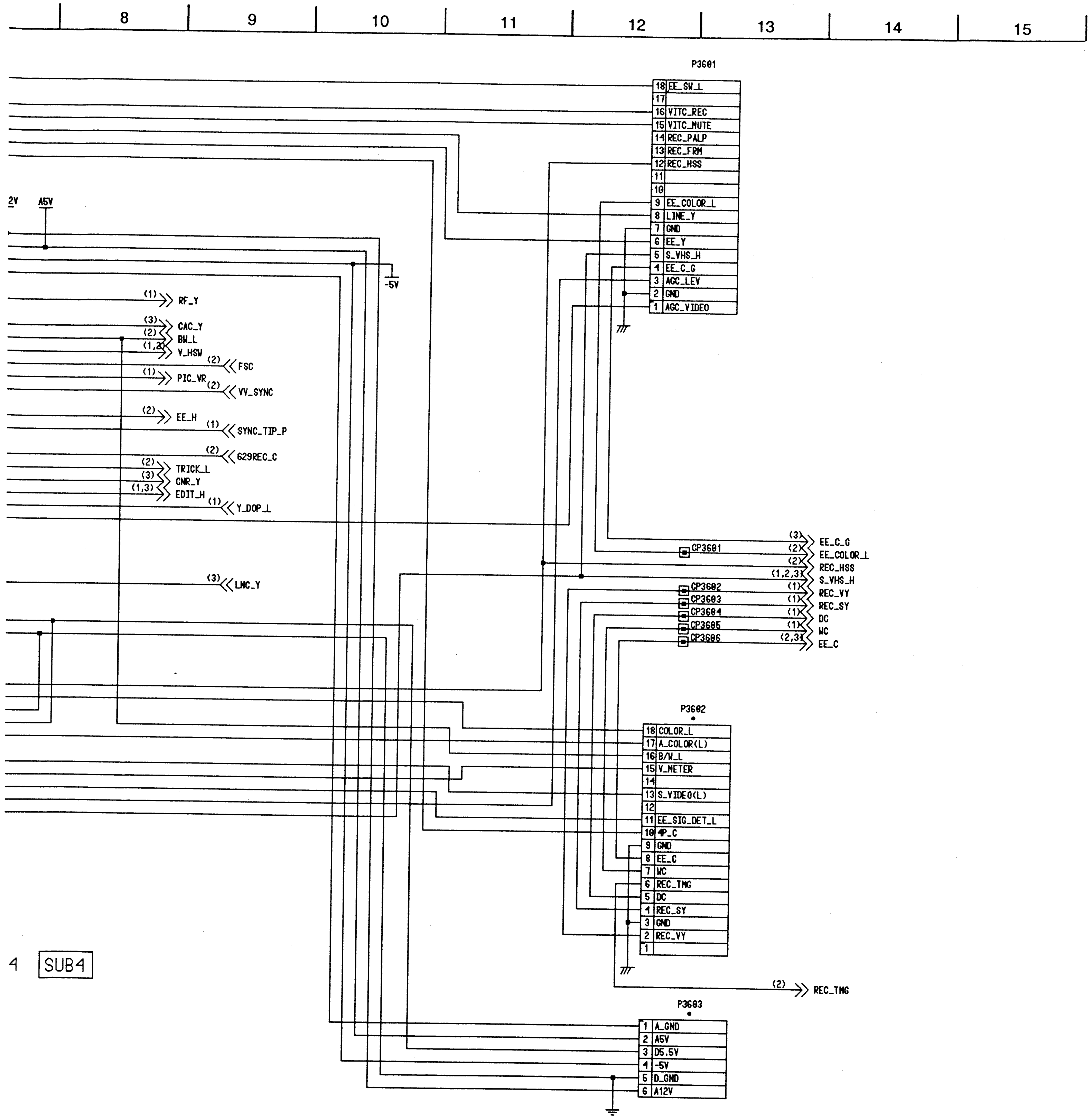
(3) CAC_Y
(2) BW_L
(1,2) V_HSW
(2) FSC
(1) PIC_VR
(2) VV_SYNC
(2) EE_H
(1) SYNC_TIP_P
(2) 629REC_C
(2) TRICK_L
(3) CNR_Y
(1,3) EDIT_H
(1) Y_DOP_L
(3) LNC_Y
P3601
18 EE_SW_L
17
16 VITC_REC
15 VITC_MUTE
14 REC_PALP
13 REC_FRM
12 REC_HSS
11
10
9 EE_COLOR_L
8 LINE_Y
7 GND
6 EE_Y
5 S_VHS_H
4 EE_C_G
3 AGC_LEV
2 GND
1 AGC_VIDEO
CP3601
CP3602
CP3603
CP3604
CP3605
CP3606
(3) EE_C_G
(2) EE_COLOR_L
(2) REC_HSS
(1,2,3) S_VHS_H
(1) REC_VY
(1) REC_SY
(1) DC
(1) WC
(2,3) EE_C
P3602
18 COLOR_L
17 A_COLOR(L)
16 B/W_L
15 V_METER
14
13 S_VIDEO(L)
12
11 EE_SIG_DET_L
10 4P_C
9 GND
8 EE_C
7 WC
6 REC_TNG
5 DC
4 REC_SY
3 GND
2 REC_VY
1
(2) REC_TNG
P3603
1 A_GND
2 A5V
3 D5.5V
4 -5V
5 D_GND
6 A12V
SUB1 1
SUB2 2
SUB3 3
4 SUB4
C1 0.1/UBN
C2 0.1/UBN
R1 *PAT/RE
R2 2200/RE
R3 220/RE
C3 0.1/UBN
R4 10K/J6
Q1 MSB709-RT2
D1 MA151K-TX
R5 330/RE
C4 1/UFN
R6 100K/J6

Ref No.3600 Series.

HEMATIC DIAGRAM 5/6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P3601
EE_SW_L
VITC_REC
VITC_MUTE
REC_PALP
REC_FRM
REC_HSS
EE_COLOR_L
LINE_Y
GND
EE_Y
S_VHS_H
EE_C_G
AGC_LEV
GND
AGC_VIDEO
2V
A5V
-5V
RF_Y
CAC_Y
BW_L
V_HSW
FSC
PIC_VR
VV_SYNC
EE_H
SYNC_TIP_P
629REC_C
TRICK_L
CNR_Y
EDIT_H
Y_DOP_L
LNC_Y
CP3601
EE_C_G
EE_COLOR_L
REC_HSS
S_VHS_H
CP3602
CP3603
CP3604
CP3605
CP3606
REC_VY
REC_SY
DC
WC
EE_C
P3602
COLOR_L
A_COLOR(L)
B/W_L
V_METER
S_VIDEO(L)
EE_SIG_DET_L
4P_C
GND
EE_C
WC
REC_TNG
DC
REC_SY
GND
REC_VY
REC_TNG
P3603
A_GND
A5V
D5.5V
-5V
D_GND
A12V
4
SUB4

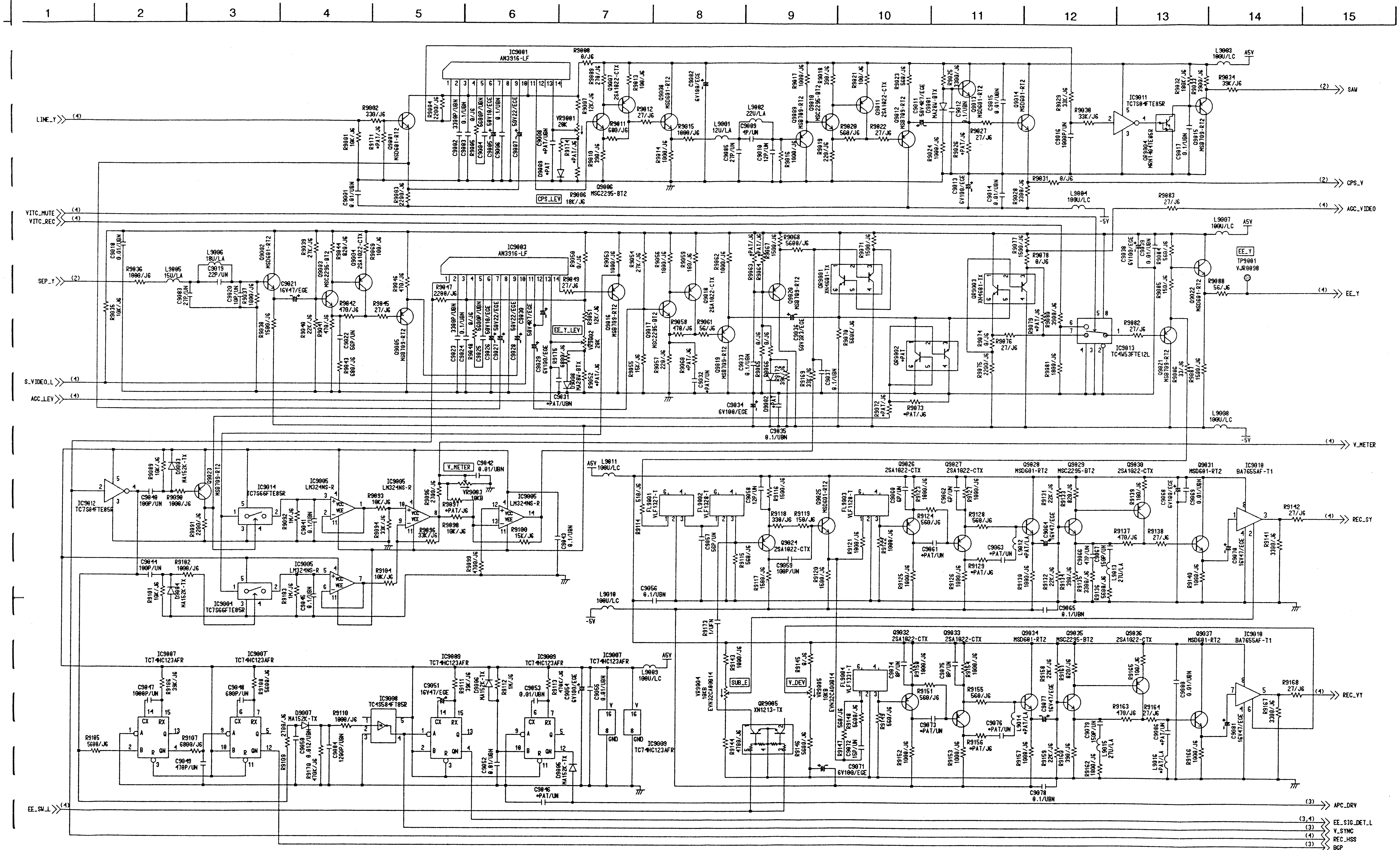
5/6

Ref No.3600 Series.

VIDEO YC COMPARISON CHART 6/6

REF	DS555	DS545
C3009	*PAT/UN	*PAT/UN
C3013	*PAT/UN	*PAT/UN
C3022	*PAT/UN	*PAT/UN
C3058	*PAT/UN	*PAT/UN
C3216	*PAT/UN	*PAT/UN
C3217	*PAT/UN	*PAT/UN
C3234	*PAT/UN	*PAT/UN
C3235	*PAT/UN	*PAT/UN
C3236	*PAT/UN	*PAT/UN
C3237	*PAT/UBN	*PAT/UBN
C3244	*PAT/UN	*PAT/UN
C3258	*PAT/UN	*PAT/UN
C3259	*PAT/UN	*PAT/UN
C3314	*PAT/UN	*PAT/UN
C3319	*PAT/UN	*PAT/UN
C3326	*PAT/UN	*PAT/UN
C3333	*PAT/UN	*PAT/UN
C3504	*PAT/UN	*PAT/UN
C3509	*PAT/UFN	*PAT/UFN
C3547	*PAT/UN	*PAT/UN
C3576	*PAT/EVV	*PAT/EVV
C3599	*PAT/UN	*PAT/UN
C3601	*PAT/UN	*PAT/UN
C3624	*PAT/UN	*PAT/UN
C3636	*PAT/UN	*PAT/UN
D3211	*PAT	*PAT
D3212	*PAT	*PAT
D3505	*PAT	*PAT
D3506	*PAT	*PAT
D3507	*PAT	*PAT
D3508	*PAT	*PAT
D3509	*PAT	*PAT
L3001	*PAT/LA	*PAT/LA
L3205	*PAT/LA	*PAT/LA
L3206	*PAT/LA	*PAT/LA
L3207	*PAT/LA	*PAT/LA
L3218	*PAT/LA	*PAT/LA
L3219	*PAT/LA	*PAT/LA
L3220	*PAT/LA	*PAT/LA
L3505	*PAT/LA	*PAT/LA
L3509	*PAT/LA	*PAT/LA
L3510	*PAT/LA	*PAT/LA
L3515	*PAT/LA	*PAT/LA
P3601	VJS2848D018	*PAT
P3602	VJS2848D018	*PAT
P3603	VJP1233T	*PAT
Q3221	*PAT	*PAT
Q3222	*PAT	*PAT
QR3003	*PAT	*PAT
QR3004	*PAT	*PAT
R3004	*PAT/J6	*PAT/J6
R3005	*PAT/J6	*PAT/J6
R3027	3900/J6	*PAT/J6
R3028	8200/J6	*PAT/J6
R3032	*PAT/J6	10K/J6
R3039	*PAT/J6	*PAT/J6
R3041	*PAT/J6	*PAT/J6
R3057	*PAT/J6	*PAT/J6
R3065	0/J6	*PAT/J6
R3066	3900/J6	*PAT/J6
R3095	*PAT/J6	*PAT/J6
R3143	*PAT/J6	*PAT/J6
R3202	*PAT/J6	*PAT/J6
R3215	*PAT/J6	*PAT/J6
R3220	*PAT/J6	*PAT/J6
R3237	*PAT/J6	*PAT/J6
R3238	*PAT/J6	*PAT/J6
R3239	*PAT/J6	*PAT/J6
R3240	*PAT/J6	*PAT/J6
R3241	*PAT/J6	*PAT/J6
R3242	*PAT/J6	*PAT/J6
R3243	*PAT/J6	*PAT/J6
R3245	*PAT/J6	*PAT/J6
R3246	*PAT/J6	*PAT/J6
R3247	*PAT/J6	*PAT/J6
R3253	*PAT/J6	*PAT/J6
R3270	*PAT/J6	*PAT/J6
R3329	*PAT/J6	*PAT/J6
R3334	*PAT/J6	*PAT/J6
R3341	*PAT/J6	*PAT/J6
R3357	*PAT/J6	*PAT/J6
R3367	*PAT/J6	*PAT/J6
R3374	*PAT/J6	*PAT/J6
R3502	*PAT/J6	*PAT/J6
R3516	*PAT/J6	*PAT/J6
R3563	*PAT/J6	*PAT/J6
R3603	*PAT/J6	*PAT/J6
R3625	*PAT/J6	*PAT/J6
R3626	*PAT/J6	*PAT/J6
R3627	*PAT/J6	*PAT/J6
R3631	*PAT/J6	*PAT/J6
R3672	*PAT/J6	*PAT/J6
R3675	*PAT/J6	*PAT/J6
R3679	*PAT/J6	*PAT/J6
R3696	*PAT/J6	*PAT/J6
R3698	*PAT/J6	*PAT/J6
R3751	*PAT/J6	*PAT/J6
TP3001	VJR0098	*PAT
VR3003	5KB	*PAT
VR3004	5KB	*PAT
VR3005	5KB	*PAT

REC (1) SCHEMATIC DIAGRAM 1/6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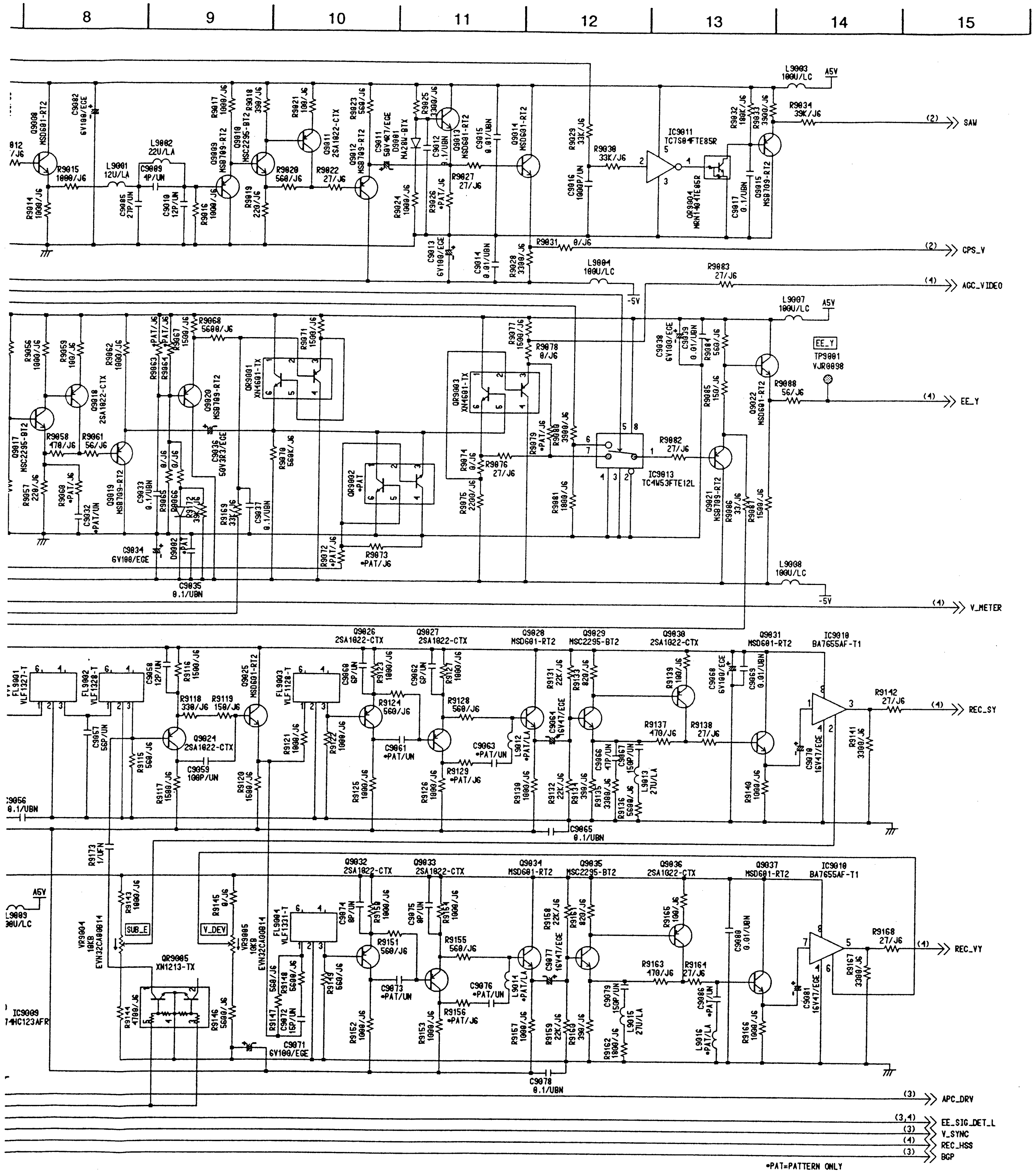
LINE_Y
VITC_MUTE
VITC_REC
SEP_Y
S_VIDEO_L
AGC_LEV
EE_SW_L
SAM
CPS_V
AGC_VIDEO
EE_Y
V_METER
REC_SY
REC_YY
APC_DRV
EE_SIG_DET_L
V_SYNC
REC_HSS
BGP
IC9001 AN3916-LF
IC9003 AN3916-LF
IC9011 TC7S04FTE85R
IC9013 TC4W53FTE12L
IC9012 TC7S04FTE85R
IC9014 TC7S66FTE85R
IC9004 TC7S66FTE85R
IC9005 LM324NS-R
IC9007 TC74HC123AFR
IC9009 TC74HC123AFR
IC9008 TC4S584FTE85R
IC9010 BA7655AF-T1
CPS_LEV
EE_Y_LEV
V_METER
SUB_E
V_DEV
TP9001 VJR0098
A5V
-5V

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.9000 Series.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SAW
CPS_V
AGC_VIDEO
EE_Y
V_METER
REC_SY
REC_VY
APC_DRV
EE_SIG_DET_L
V_SYNC
REC_HSS
BGP
IC9011 TC7S04FTE85R
IC9013 TC4W53FTE12L
IC9010 BA7655AF-T1
IC9009 74HC123AFR
QR9001 XN4601-TX
QR9003 XN4601-TX
QR9004 MRN1401TE85R
QR9005 XN1213-TX
TP9001 VJR0098
EE_Y
SUB_E
V_DEV
FL9001 VLF1327-T
FL9002 VLF1328-T
FL9003 VLF1128-T
FL9004 VLF1331-T
VR9004 10KB EVN32CA00B14
VR9005 10KB EVN32CA00B14
Q9026 2SA1022-CTX
Q9027 2SA1022-CTX
Q9028 MSD601-RT2
Q9029 MSC2295-BT2
Q9030 2SA1022-CTX
Q9031 MSD601-RT2
Q9032 2SA1022-CTX
Q9033 2SA1022-CTX
Q9034 MSD601-RT2
Q9035 MSC2295-BT2
Q9036 2SA1022-CTX
Q9037 MSD601-RT2
A5V
-5V
L9003 100U/LC
L9004 100U/LC
L9007 100U/LC
L9008 100U/LC

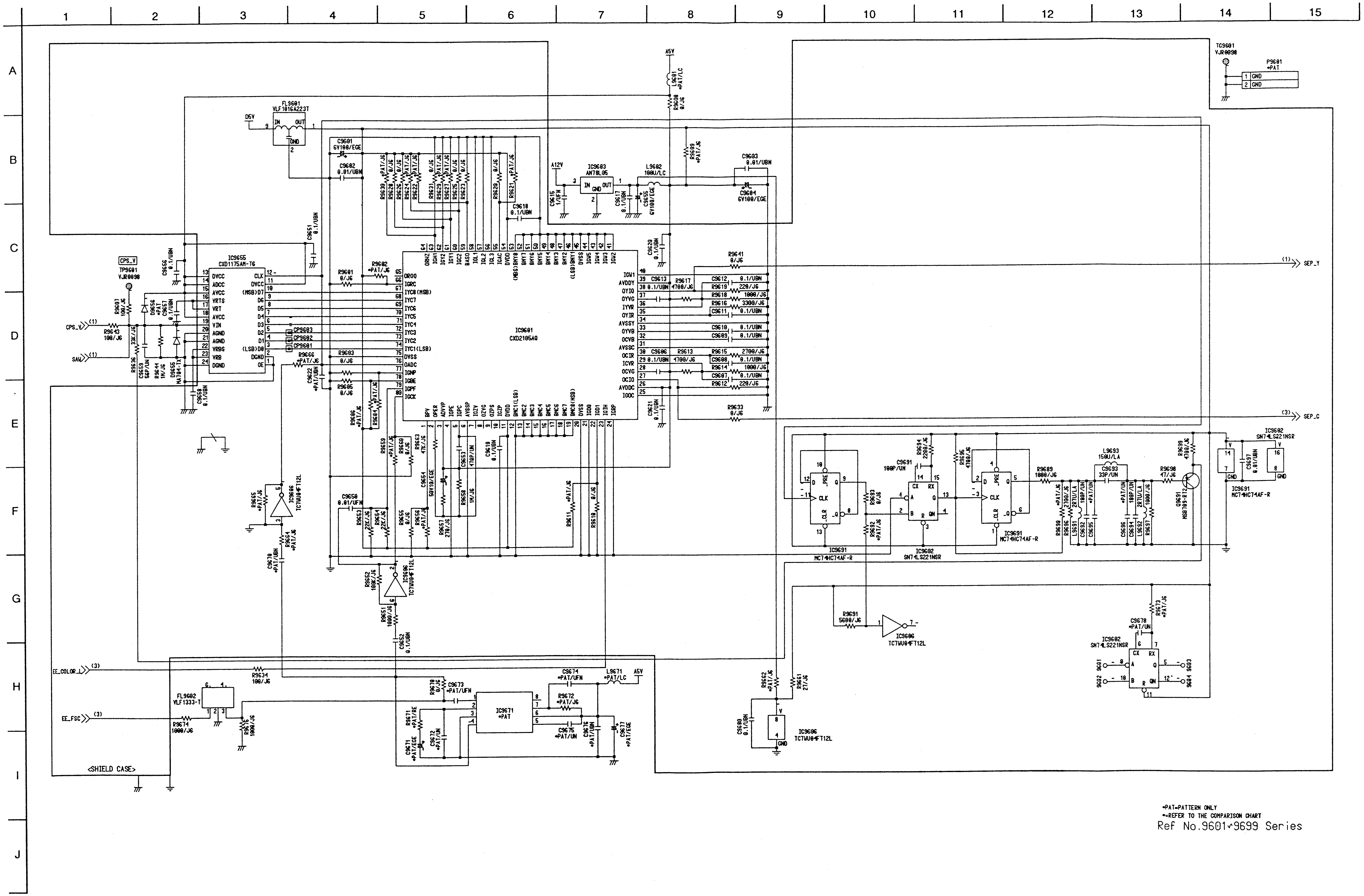
*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.9000 Series.

YC REC (1)

REF. NO.	Q9001			Q9002			Q9003			Q9004			Q9005			Q9006				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	-0.7	4.6	0	-0.6	4.5	0	1.1	3.7	1.8	4.4	1.8	3.7	2.5	0	1.8	1.6	3.7	2.3		
REC	-0.6	4.6	0	-0.4	4.6	0.1	1.1	3.7	1.9	4.4	1.9	3.7	2.5	0	1.9	1.7	3.8	2.4		
REF. NO.	Q9007			Q9008			Q9009			Q9010			Q9011			Q9012				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	4.5	2.4	3.8	1.7	4.6	2.4	1.5	0	0.8	0.7	3.7	1.5	4.4	1.7	3.7	2.3	-4.9	1.7		
REC	4.5	2.5	3.8	1.9	4.7	2.5	1.6	0	0.9	0.8	3.8	1.6	4.5	1.8	3.7	2.5	-4.8	1.8		
REF. NO.	Q9013			Q9014			Q9015			Q9016			Q9017			Q9018				
MODE	G	S	D	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	1.4	4.6	1.9	0.8	4.6	1.4	0.5	0	0	2.0	0	1.4	0.7	3.5	1.4	4.3	1.9	3.5		
REC	2.1	4.6	1.9	1.5	4.6	2.1	2.4	0	1.8	2.6	0	2.0	0.7	3.6	1.4	4.3	2.0	3.6		
REF. NO.	Q9019			Q9020			Q9021			Q9022			Q9023			Q9024				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	2.6	0	1.9	0.5	-4.8	0	0.7	-4.8	0	0.9	4.5	1.5	4.8	0	4.8	0.7	-0.9	0		
REC	2.6	0	2.0	0.6	-4.8	0	0.9	-4.8	0.3	1.1	4.6	1.7	4.8	0.1	4.7	1.1	-1.3	0.4		
REF. NO.	Q9025			Q9026			Q9027			Q9028			Q9029			Q9030				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	0	4.5	0.7	0.7	-1.0	0	1.5	-1.7	0.7	0.8	4.5	1.5	1.4	3.5	2.1	4.3	2.6	3.5		
REC	0.5	4.6	1.1	1.0	-1.2	0.2	1.7	-1.9	1.0	1.0	4.6	1.7	1.4	3.6	2.1	4.3	2.6	3.6		
REF. NO.	Q9031			Q9032			Q9033			Q9034			Q9035			Q9036				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	2.0	4.5	2.6	0.7	-1.0	0	1.4	-1.7	0.7	0.8	4.5	1.4	1.4	3.5	2.1	4.3	2.6	3.5		
REC	2.0	4.6	2.6	0.9	-1.2	0.2	1.7	-1.9	1.0	1.0	4.6	1.7	1.4	3.6	2.1	4.3	2.6	3.6		
REF. NO.	Q9037																			
MODE	E	C	B																	
PLAY	2.0	4.5	2.6																	
REC	2.0	4.6	2.6																	
REF. NO.	QR9001						QR9003						QR9004			QR9005				
MODE	1	2	3	4	5	6	1	2	3	4	5	6	E	C	B	1	2	3	4	5
PLAY	4.5	0.5	1.2	-4.8	1.2	0.6	4.5	0	0.7	-4.8	0.6	0	0	0	4.6	0	0	4.8	0	4.8
REC	4.6	0.2	0.9	-4.8	0.9	0.9	4.6	0.3	0.9	-4.8	0.9	0.3	0	1.8	0	0.4	1.0	0	0	0
REF. NO.	IC9001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	0.1	2.8	4.6	1.6	1.1	1.1	2.8	0	2.8	4.6	2.3	2.8	2.7	1.4						
REC	4.3	2.7	4.6	1.7	1.4	2.1	2.9	0	2.9	4.6	2.4	2.8	2.7	1.4						
REF. NO.	IC9003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	0.1	2.8	4.5	1.6	1.1	1.0	2.8	0	2.8	3.1	2.3	2.7	2.6	1.4						
REC	4.2	2.7	4.6	1.6	1.3	2.1	2.9	0	2.8	0	2.4	2.9	2.7	2.0						
REF. NO.	IC9004																			
MODE	1	2	3	4	5															
PLAY	2.0	0	0	0	4.8															
REC	2.6	1.8	0	0	4.8															
REF. NO.	IC9005																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	0	0	0	4.8	0	0	0	0	0	0	-4.8	0	0	0						
REC	2.2	2.2	2.2	4.8	1.8	1.8	1.8	1.5	1.7	1.7	-4.8	0	0	-2.2						
REF. NO.	IC9007																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	4.7	4.8	4.8	0	0	4.7	0	4.8	4.8	4.8	4.7	0	0	4.7	4.8				
REC	0	0.3	4.8	1.4	0.3	0	4.4	0	1.4	4.8	4.8	4.4	3.3	0	2.5	4.8				
REF. NO.	IC9008																			
MODE	1	2	3	4	5															
PLAY	0.2	4.4	0	0	4.8															
REC	0	0.4	0	4.6	4.8															
REF. NO.	IC9009																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	4.7	4.8	4.8	0	0	4.5	0	0	4.3	4.8	4.8	0	0	4.7	4.8				
REC	4.6	4.8	4.8	0	0	0	4.6	0	0	4.3	4.8	4.8	4.8	0	1.3	4.8				

REF. NO.	IC9010																			
MODE	1	2	3	4	5	6	7	8												
PLAY	2.6	2.5	1.8	0	1.8	3.2	2.6	4.5												
REC	2.6	2.5	1.8	0	1.8	3.2	2.6	4.6												
REF. NO.	IC9011																			
MODE	1	2	3	4	5															
PLAY	0	0.1	0	4.6	4.6															
REC	0.1	4.3	0	0	4.6															
REF. NO.	IC9012																			
MODE	1	2	3	4	5															
PLAY	0	0.1	0	4.8	4.8															
REC	0	4.2	0	0.3	4.8															
REF. NO.	IC9013																			
MODE	1	2	3	4	5	6	7	8												
PLAY	4.5	0	0	0	0	0	0	0												
REC	0.3	0	0	0	0.1	0	0.3	4.6												
REF. NO.	IC9014																			
MODE	1	2	3	4	5															
PLAY	2.0	0	0	0	4.8															
REC	2.6	2.2	0	0.1	4.8															

YC REC (2) SCHEMATIC DIAGRAM 2/6



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A
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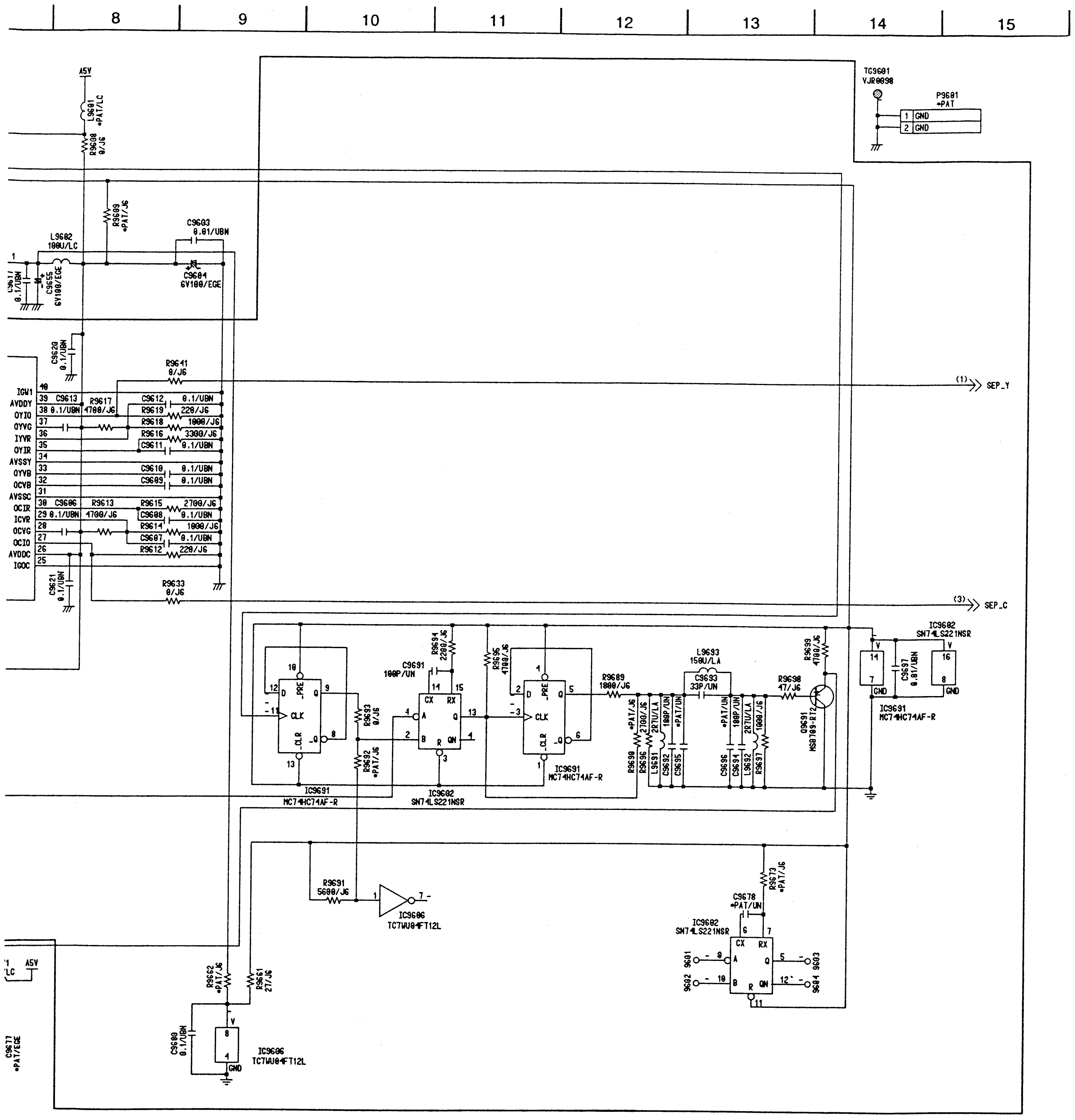
J
IC9601
CXD2105AQ
IC9655
CXD1175AM-T6
IC9603
AN78L05
IC9691
MC74HC74AF-R
IC9692
SN74LS221NSR
IC9606
TC7WU04FT12L
IC9671
*PAT
FL9601
VLF1016A223T
FL9602
VLF1333-T
TP9601
VJR0098
TC9601
VJR0098
P9601
*PAT
GND
CPS_Y
TP9601
VJR0098
CPS_Y
SAW
EE_COLOR
EE_FSC
SEP_Y
SEP_C
A5V
D5V
A12V
<SHIELD CASE>
Q9691
HSB709-R12
D9651
MA164-TX
L9601
*PAT/LC
L9602
100U/LC
L9693
150U/LA
L9671
*PAT/LC

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.9601~9699 Series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A5V
L9601 *PAT/LC
R9608 0/J6
R9609 *PAT/J6
L9602 100U/LC
C9603 0.01/UBN
C9604 6V100/EGE
C9617 0.1/UBN
C9655 6V100/EGE
C9620 0.1/UBN
R9641 0/J6
TC9601 VJR0098
P9601 *PAT
1 GND
2 GND
IGW1
AVDDY
OYIO
OYVG
IYVR
OYIR
AVSSY
OYVB
OCVB
AVSSC
OCIR
ICVR
OCVG
OCIO
AVDDC
IGOC
C9613 0.1/UBN
R9617 4700/J6
C9612 0.1/UBN
R9619 220/J6
R9618 1000/J6
R9616 3300/J6
C9611 0.1/UBN
C9610 0.1/UBN
C9609 0.1/UBN
C9606 0.1/UBN
R9613 4700/J6
R9615 2700/J6
C9608 0.1/UBN
R9614 1000/J6
C9607 0.1/UBN
R9612 220/J6
C9621 0.1/UBN
R9633 0/J6
(1) SEP_Y
(3) SEP_C
IC9691 MC74HC74AF-R
IC9602 SN74LS221NSR
C9691 100P/UN
R9694 2200/J6
R9695 4700/J6
R9693 0/J6
R9692 *PAT/J6
R9689 1000/J6
L9693 150U/LA
C9693 33P/UN
R9698 47/J6
R9699 4700/J6
Q9691 MSB709-RT2
R9690 *PAT/J6
R9696 2700/J6
L9691 2R7U/LA
C9692 100P/UN
C9695 *PAT/UN
C9696 *PAT/UN
C9694 100P/UN
L9692 2R7U/LA
R9697 1000/J6
C9697 0.01/UBN
GND
R9691 5600/J6
IC9606 TC7WU04FT12L
R9673 *PAT/J6
C9678 *PAT/UN
9601
9602
9603
9604
R9662 *PAT/J6
R9661 27/J6
C9680 0.1/UBN
C9677 *PAT/EGE

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.9601~9699 Series

YC REC (2)

REF. NO.	Q9691		
MODE	E	C	B
PLAY	0.5	0	0
REC	0.6	0	0

REF. NO.	IC9601																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	2.1	4.8	0	2.2	0	0.7	0	0	0.6	5.1	0	0	0	0	0	0	0	0	0
REC	0	2.1	4.9	0	2.2	0	0.1	0	0	0.1	5.1	0	0	0	0	0	0	0	0	0

REF. NO.	IC9601																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	0	0	4.5	0	0	4.8	0.5	3.2	0.8	0.8	0	0.4	0.4	0	0.8	0.8	3.3	0	4.8	0
REC	0	0	0	0	0	4.9	0.5	3.3	0.8	0.8	0	0.4	0.4	0	0.9	0.8	3.4	0.3	4.9	0

REF. NO.	IC9601																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	5.1	5.1	0	0	0	0	0
REC	0	0	0	0	0	0	0	0	0	0	0	0	0	5.1	5.1	0	0	0	0	0

REF. NO.	IC9601																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
PLAY	5.1	5.1	0	0	0	0	0	0	0	4.8	4.8	4.8	4.6	1.5	0	1.7	0	0	2.5	0
REC	5.1	5.1	0	0	0	0	1.5	2.3	1.2	2.6	1.8	2.6	1.3	1.9	0	1.9	0	0	2.5	0

REF. NO.	IC9602															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	2.0	5.1	0.3	0	5.1	-0.4	0	1.7	1.5	5.1	4.4	1.7	1.7	1.1	5.1
REC	0	2.0	5.1	0.7	0	5.1	0.1	0	1.2	0.7	-5.1	0.1	1.7	1.8	1.2	5.1

REF. NO.	IC9603		
MODE	1	2	3
PLAY	5.0	0	11.4
REC	5.0	0	11.4

REF. NO.	IC9606							
MODE	1	2	3	4	5	6	7	8
PLAY	5.1	2.5	0	0	4.8	2.5	0	4.8
REC	5.1	2.5	0	0	4.8	2.5	0	4.8

REF. NO.	IC9655																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	0	0.5	4.2	4.8	4.8	4.8	0	0	0	4.8	1.6	4.8	4.8	4.8	2.6	2.6	4.8	0.8	0
REC	0	0	1.5	1.5	2.4	1.7	2.6	0.9	2.4	1.6	4.9	1.6	4.9	4.9	4.9	2.6	2.6	4.9	1.5	0

REF. NO.	IC9655			
MODE	21	22	23	24
PLAY	0	0.5	0.5	0
REC	0	0.6	0.5	0

REF. NO.	IC9691													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	5.1	2.5	1.7	5.1	2.4	2.5	0	1.9	1.9	5.1	1.4	1.9	5.1	5.1
REC	5.1	2.5	1.8	5.1	2.5	2.5	0	1.9	2.0	5.1	1.6	1.9	5.1	5.1

YC REC (3)

REF. NO.	IC9301																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	4.6	2.7	2.9	2.6	2.5	4.0	3.1 .2	4.6	3.7	1.4	3.8	0	2.0	2.4	1.6	4.5	0	2.7	1.1	2.8
REC	4.6	3.0	2.9	2.7	2.4	3.8	3.2	4.6	3.7	1.5	3.8	0	2.1	2.4	2.1	4.5	0	2.8	2.4	2.8

REF. NO.	IC9301	
MODE	21	22
PLAY	3.0	2.8
REC	3.2	0

REF. NO.	IC9302							
MODE	1	2	3	4	5	6	7	8
PLAY	2.7	3.1	2.7	0	2.7	4.6	2.0	0
REC	2.7	3.1	2.7	0.1	2.7	4.6	2.0	0

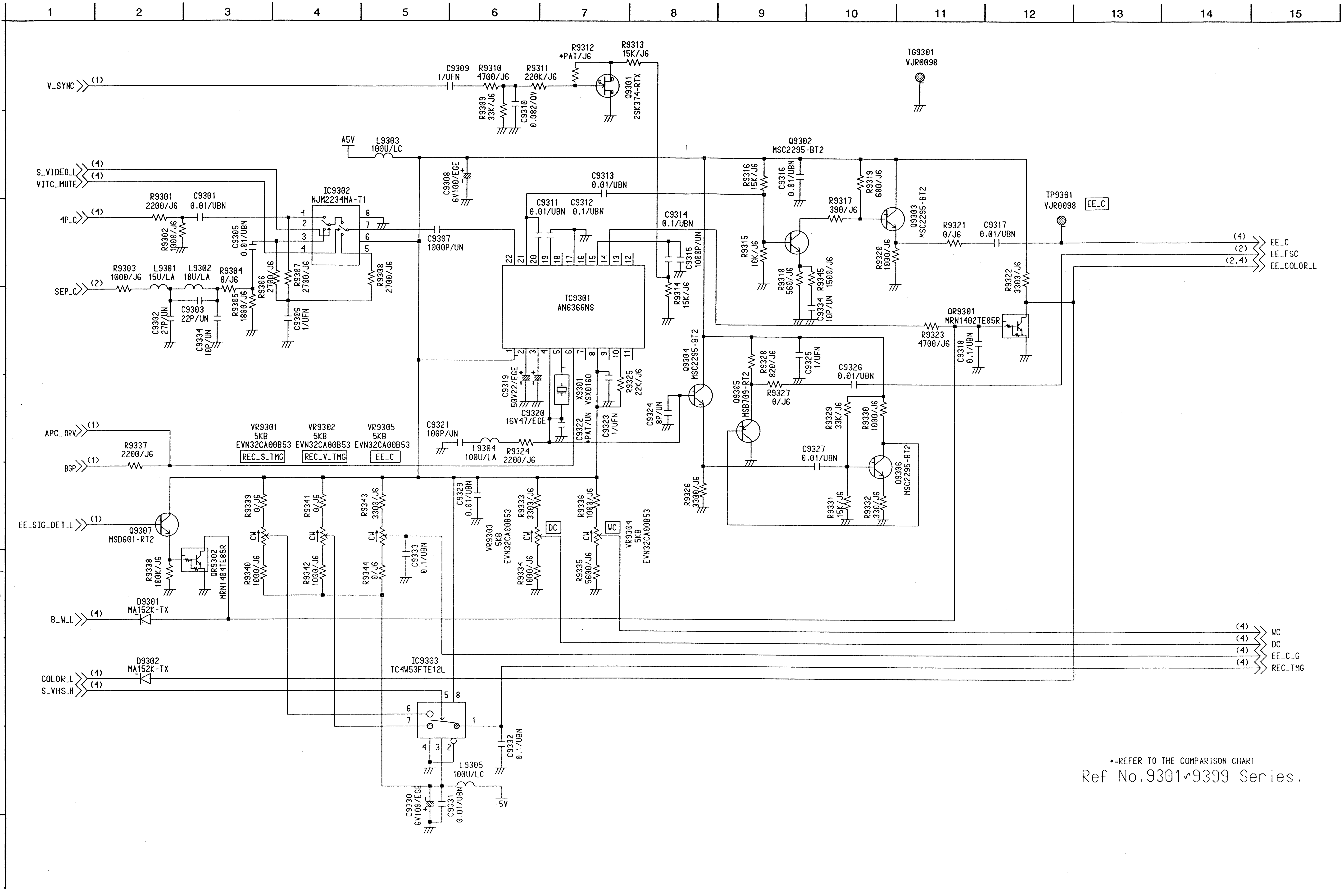
REF. NO.	IC9303							
MODE	1	2	3	4	5	6	7	8
PLAY	0.8	0	-4.9	0	0.3	1.6	0.8	4.6
REC	0.8	0	-4.9	0	0.4	1.6	0.9	4.6

REF. NO.	Q9301			Q9302			Q9303			Q9304			Q9305			Q9306		
MODE	G	S	D	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	0	0	0	1.0	2.5	1.7	2.5	4.6	3.3	2.2	4.6	2.6	2.8	0	2.8	0.4	2.8	1.2
REC	0	0	0	1.0	2.6	1.7	2.6	4.6	3.3	2.1	4.6	2.7	3.1	0	2.9	0.5	2.9	1.2

REF. NO.	Q9307		
MODE	E	C	B
PLAY	4.2	4.6	4.8
REC	0	4.6	0

REF. NO.	QR9301			QR9302		
MODE	E	C	B	E	C	B
PLAY	0	4.5	0	0	0	4.2
REC	0	0	1.8	0	1.8	0

YC REC (3) SCHEMATIC DIAGRAM 3/6



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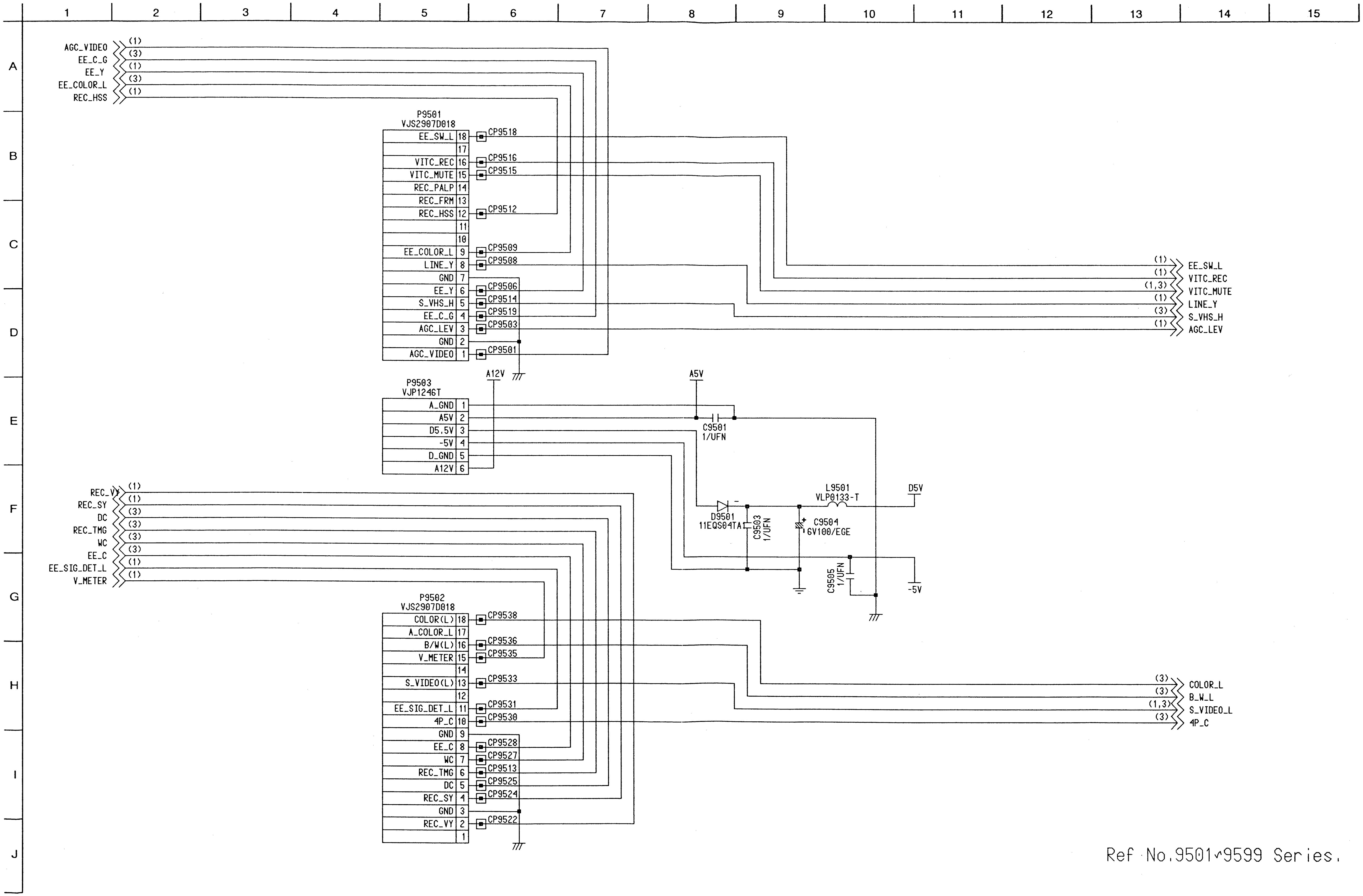
14
15
C
F
G
J
V_SYNC
(1)
C9309
1/UFN
R9310
4700/J6
R9311
220K/J6
R9312
•PAT/J6
R9313
15K/J6
Q9301
2SK374-RTX
R9309
33K/J6
C9310
0.082/QV
TG9301
VJR0098
A5V
L9303
100U/LC
C9308
6V100/EGE
Q9302
MSC2295-BT2
S_VIDEO_L
VITC_MUTE
(4)
R9301
2200/J6
C9301
0.01/UBN
IC9302
NJM2234MA-T1
4P_C
R9302
1000/J6
C9305
0.01/UBN
C9313
0.01/UBN
C9311
0.01/UBN
C9312
0.1/UBN
C9314
0.1/UBN
C9307
1000P/UN
C9315
1000P/UN
R9316
15K/J6
C9316
0.01/UBN
R9319
680/J6
R9317
390/J6
Q9303
MSC2295-BT2
TP9301
VJR0098
EE_C
R9321
0/J6
C9317
0.01/UBN
R9303
1000/J6
L9301
15U/LA
L9302
18U/LA
R9304
0/J6
SEP_C
(2)
R9306
2700/J6
R9307
2700/J6
R9308
2700/J6
R9305
1800/J6
C9302
27P/UN
C9303
22P/UN
C9304
10P/UN
C9306
1/UFN
IC9301
AN6366NS
R9314
15K/J6
R9315
10K/J6
R9318
560/J6
R9345
1500/J6
C9334
10P/UN
R9320
1000/J6
R9322
3300/J6
QR9301
MRN1402TE85R
R9323
4700/J6
C9318
0.1/UBN
EE_C
EE_FSC
EE_COLOR_L
(4)
(2)
(2,4)
Q9304
MSC2295-BT2
R9328
820/J6
C9325
1/UFN
C9326
0.01/UBN
R9327
0/J6
Q9305
MSB709-RT2
C9319
50V22/EGE
X9301
VSX0160
R9325
22K/J6
C9320
16V47/EGE
C9324
8P/UN
R9329
33K/J6
R9330
1000/J6
APC_DRV
VR9301
5KB
EVN32CA00B53
REC_S_TMG
VR9302
5KB
EVN32CA00B53
REC_V_TMG
VR9305
5KB
EVN32CA00B53
EE_C
C9321
100P/UN
L9304
100U/LA
R9324
2200/J6
C9322
•PAT/UN
C9323
1/UFN
BGP
R9337
2200/J6
C9327
0.01/UBN
Q9306
MSC2295-BT2
R9326
3300/J6
R9331
15K/J6
R9332
330/J6
EE_SIG_DET_L
Q9307
MSD601-RT2
R9339
0/J6
R9341
0/J6
R9343
3300/J6
C9329
0.01/UBN
VR9303
5KB
EVN32CA00B53
R9333
3300/J6
DC
R9336
1000/J6
WC
VR9304
5KB
EVN32CA00B53
R9338
100K/J6
QR9302
MRN1404TE85R
R9340
1000/J6
R9342
1000/J6
R9344
0/J6
C9333
0.1/UBN
R9334
1000/J6
R9335
5600/J6
B_W_L
D9301
MA152K-TX
WC
DC
EE_C_G
REC_TMG
IC9303
TC4W53FTE12L
COLOR_L
S_VHS_H
D9302
MA152K-TX
C9332
0.1/UBN
L9305
100U/LC
-5V
C9330
6V100/EGE
C9331
0.01/UBN

•=REFER TO THE COMPARISON CHART

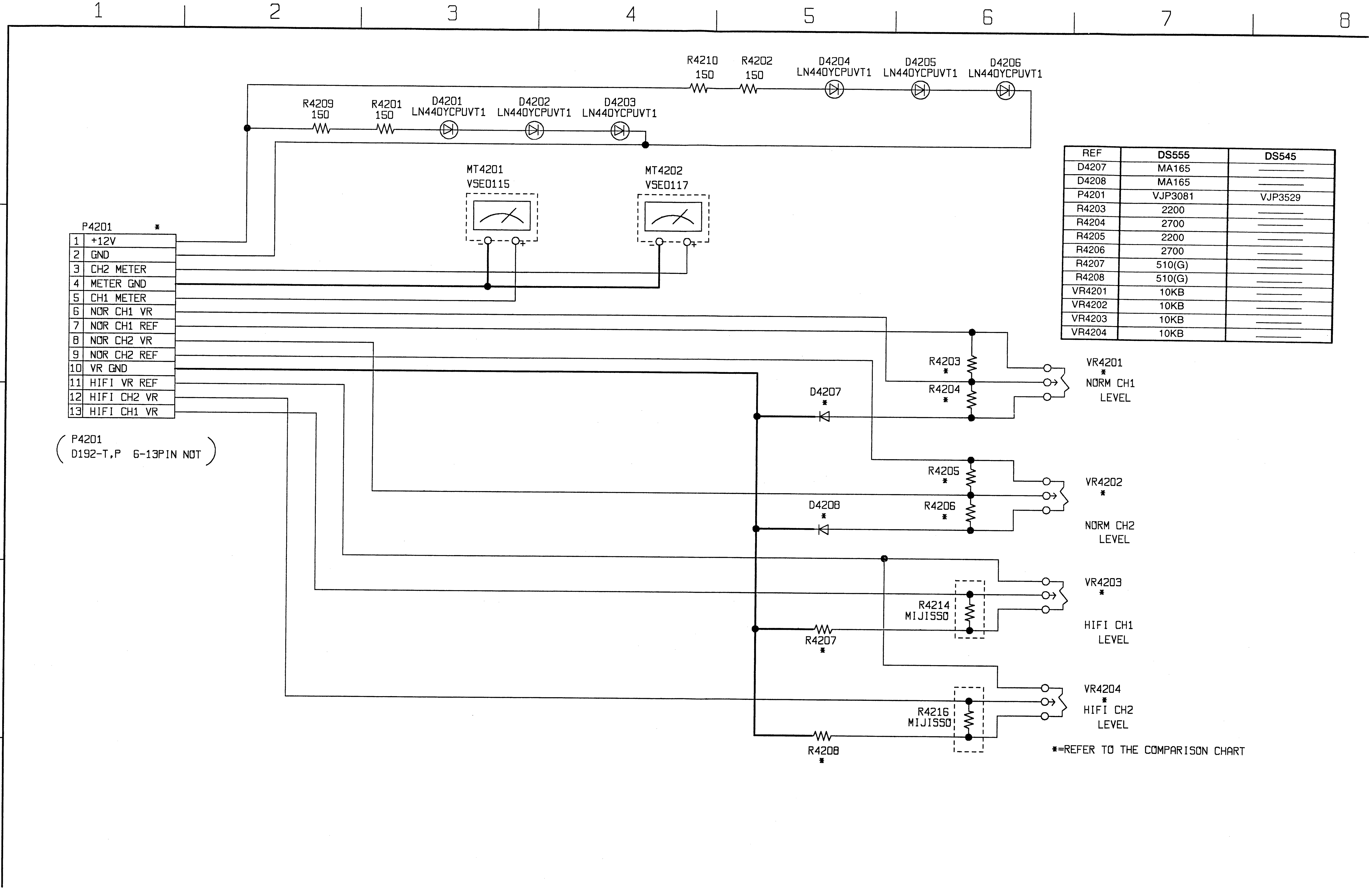
Ref No.9301~9399 Series.

YC REC (4) SCHEMATIC DIAGRAM 4/6


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J
AGC_VIDEO (1)
EE_C_G (3)
EE_Y (1)
EE_COLOR_L (3)
REC_HSS (1)
P9501
VJS2907D018
EE_SW_L 18 CP9518
17
VITC_REC 16 CP9516
VITC_MUTE 15 CP9515
REC_PALP 14
REC_FRM 13
REC_HSS 12 CP9512
11
10
EE_COLOR_L 9 CP9509
LINE_Y 8 CP9508
GND 7
EE_Y 6 CP9506
S_VHS_H 5 CP9514
EE_C_G 4 CP9519
AGC_LEV 3 CP9503
GND 2
AGC_VIDEO 1 CP9501
(1) EE_SW_L
(1) VITC_REC
(1,3) VITC_MUTE
(1) LINE_Y
(3) S_VHS_H
(1) AGC_LEV
A12V
A5V
P9503
VJP1246T
A_GND 1
A5V 2
D5.5V 3
-5V 4
D_GND 5
A12V 6
C9501
1/UFN
L9501
VLP0133-T
D5V
D9501
11EQS04TA
C9503
1/UFN
C9504
6V100/EGE
C9505
1/UFN
-5V
REC_VY (1)
REC_SY (1)
DC (3)
REC_TMG (3)
WC (3)
EE_C (3)
EE_SIG_DET_L (1)
V_METER (1)
P9502
VJS2907D018
COLOR(L) 18 CP9538
A_COLOR_L 17
B/W(L) 16 CP9536
V_METER 15 CP9535
14
S_VIDEO(L) 13 CP9533
12
EE_SIG_DET_L 11 CP9531
4P_C 10 CP9530
GND 9
EE_C 8 CP9528
WC 7 CP9527
REC_TMG 6 CP9513
DC 5 CP9525
REC_SY 4 CP9524
GND 3
REC_VY 2 CP9522
1
(3) COLOR_L
(3) B_W_L
(1,3) S_VIDEO_L
(3) 4P_C

Ref No.9501~9599 Series.

AUDIO METER SCHEMATIC DIAGRAM


1
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5
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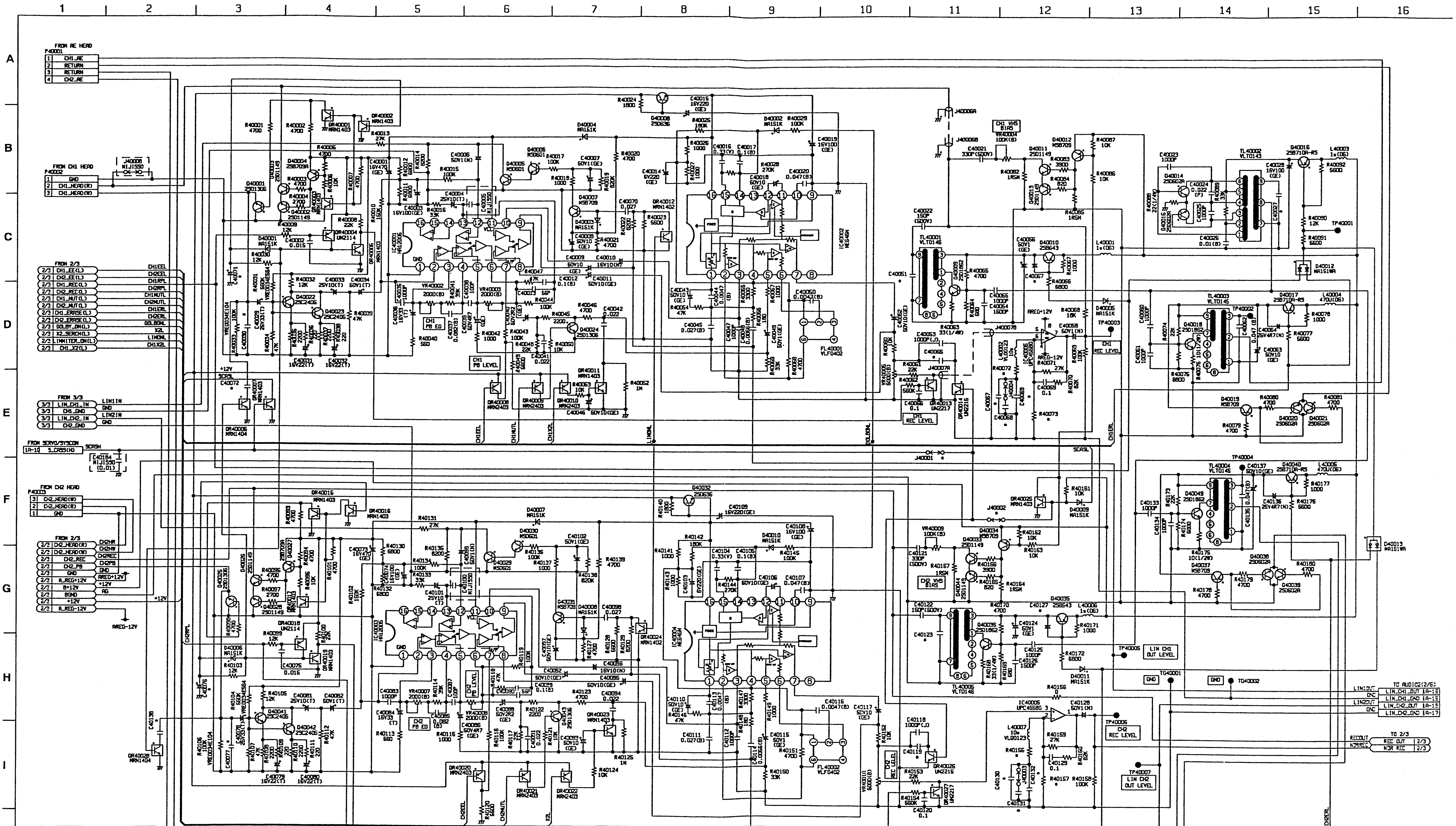
7
8
R4210
150
R4202
150
D4204
LN440YCPUVT1
D4205
LN440YCPUVT1
D4206
LN440YCPUVT1
R4209
150
R4201
150
D4201
LN440YCPUVT1
D4202
LN440YCPUVT1
D4203
LN440YCPUVT1
MT4201
VSE0115
MT4202
VSE0117
P4201 *
1 +12V
2 GND
3 CH2 METER
4 METER GND
5 CH1 METER
6 NOR CH1 VR
7 NOR CH1 REF
8 NOR CH2 VR
9 NOR CH2 REF
10 VR GND
11 HIFI VR REF
12 HIFI CH2 VR
13 HIFI CH1 VR
P4201
D192-T,P 6-13PIN NOT
R4203 *
R4204 *
D4207 *
VR4201 *
NORM CH1
LEVEL
R4205 *
R4206 *
D4208 *
VR4202 *
NORM CH2
LEVEL
VR4203 *
HIFI CH1
LEVEL
R4214
MIJISSO
R4207 *
VR4204 *
HIFI CH2
LEVEL
R4216
MIJISSO
R4208 *

REF	DS555	DS545
D4207	MA165	———
D4208	MA165	———
P4201	VJP3081	VJP3529
R4203	2200	———
R4204	2700	———
R4205	2200	———
R4206	2700	———
R4207	510(G)	———
R4208	510(G)	———
VR4201	10KB	———
VR4202	10KB	———
VR4203	10KB	———
VR4204	10KB	———

*=REFER TO THE COMPARISON CHART

AUDIO 1 LINER SCHEMATIC DIAGRAM 1/3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A
B
C
D
E
F
G
H
I
J
FROM RE HEAD
P40001
CH1_RE
RETURN
RETURN
CH2_RE
FROM CH1 HEAD
P40002
GND
CH1_HEAD(R)
CH1_HEAD(W)
FROM 2/3
FROM 3/3
FROM SERVO/SYSCON
FROM CH2 HEAD
P40003
CH2_HEAD(W)
CH2_HEAD(R)
GND
IC40001
HA12105
IC40002
HA12106
IC40003
HA12105
IC40004
HA12106
IC40005
UPC4558G
TL40001
VLT0145
TL40002
VLT0145
TL40003
VLT0145
TL40004
VLT0145
TL40005
VLT0145
FL40001
VLF0402
FL40002
VLF0402
CH1 PB EQ
CH1 PB LEVEL
CH2 PB EQ
CH2 PB LEVEL
CH1 REC LEVEL
CH2 REC LEVEL
LIN CH1 OUT LEVEL
LIN CH2 OUT LEVEL
CH1 VHS BIAS
CH2 VHS BIAS
TP40001
TP40002
TP40003
TP40004
TP40005
TP40006
TP40007
TG40001
TG40002
GND
TO AUDIO2(2/3)
LIN_CH1_OUT
LIN_CH1_GND
LIN_CH2_OUT
LIN_CH2_GND
TO 2/3
REC OUT
N.REC
AREG-12V
+12V

	DS555	DS545
C40030	1500P	1800P
C40077	1500P	1800P
C40069	0.012(B)	0.015(B)
C40132	0.012(B)	0.015(B)
R40072	220	82
R40155	220	82
R40073	2200	1800
R40157	2200	1800
C40065	5600P(B)	2200P(B)
C40119	5600P(B)	2200P(B)
C40068	3900P	1500P
C40131	3900P	1500P
C40071	50V1(GE)	50V2R2(GE)
C40076	50V1(GE)	50V2R2(GE)

	DS555	DS545
J40001	————	0
J40002	0	————
C40067	————	ECKF1H222KB
C40130	————	ECKF1H222KB
C40057	50V1(N)	50V2R2(N)
C40127	50V1(N)	50V2R2(N)
C40072	0.033(B)	2200P(B)
C40138	0.033(B)	2200P(B)
C40027	0.0015(M)(200V)	0.0015(P)(100V)
C40051	0.0015(M)(200V)	0.0015(P)(100V)
C40123	0.0015(M)(200V)	0.0015(P)(100V)

=INPUT SIGNAL

=OUTPUT SIGNAL

*=REFER TO THE COMPARISON C-ART

Ref NO.40000 Series.

UDIO 1 LINER

EF. NO.	IC40001															
E	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	4.7	4.8	4.8	4.8	4.9	0	4.8	4.8	4.8	9.8	4.8	4.8	–0.4	–0.4	9.0
REC	0	4.7	4.8	4.8	4.8	4.8	10.2	4.8	4.8	4.8	9.8	4.8	4.8	0	0	8.9

EF. NO.	IC40002															
ODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	5.3	5.3	5.4	5.2	5.2	5.3	5.1	0	0	5.3	5.3	5.2	0	8.1	7.8	10.6
EC	5.2	5.3	5.4	5.2	5.2	5.2	5.0	0	0	5.2	5.3	5.2	0	8.0	7.8	10.5

EF. NO.	IC40003															
ODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	4.7	4.8	4.8	4.8	4.8	0	4.8	4.8	4.8	9.8	4.8	4.8	–0.6	–0.8	9.0
EC	0	4.7	4.8	4.8	4.8	4.8	10.2	4.8	4.8	4.8	9.8	4.7	4.8	–0.4	–0.5	8.9

EF. NO.	IC40004															
ODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
AY	5.2	5.3	5.4	5.2	5.2	5.3	5.1	0	0	5.2	5.3	5.2	0	8.1	7.9	10.6
EC	5.2	5.2	5.3	5.2	5.2	5.2	5.1	0.3	0	5.2	5.3	5.2	0.3	8.0	7.8	10.5

REF. NO.	IC40005								Q40001			Q40002			Q40003			Q40004		
ODE	1	2	3	4	5	6	7	8	E	C	B	E	C	B	E	C	B	E	C	B
AY	0	0	0	–11.9	0	0.2	0	11.5	0	0	0	0	0	0.6	0	0	0.6	9.8	9.7	9.1
EC	0	0	0	–11.9	0	0	0	11.4	0	0	0.6	–2.8	0	–21.0	–2.7	0	–21.4	9.8	–21.2	9.8

REF. NO.	Q40005			Q40006			Q40007			Q40008			Q40009			Q40010		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
AY	0	0	0	0	0.7	0	5.2	0	4.6	10.6	11.6	11.3	0	0	0	11.6	0	11.6
REC	0	0	0	0	0	0	5.2	0	4.6	10.6	11.5	11.3	0.7	10.9	1.3	11.0	10.9	10.4

REF. NO.	Q40011			Q40012			Q40013			Q40014			Q40015			Q40016		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
AY	0	0	0.6	11.6	11.5	10.8	0	0	0.7	0	0	0	0	0	0	11.6	0	11.5
REC	0	0	0.6	11.5	11.4	10.7	0	0	0.7	0.2	11.1	0.1	0.2	11.1	0	11.2	11.2	10.6

REF. NO.	Q40017			Q40018			Q40019			Q40020			Q40021			Q40022		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
LAY	11.6	0	11.6	0	0	0	0	0	0	0	0	–0.7	0	0	0	0.1	7.8	0.6
REC	10.8	10.5	10.1	0.7	10.5	0.9	10.5	10.5	9.8	0	0	0.5	0	0	0.5	0.1	7.8	0.6

F. NO.	Q40023			Q40024			Q40025			Q40026			Q40027			Q40028		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	0.1	7.8	0.6	0	0	–0.9	0	0	0	0	0	0.6	9.8	9.7	9.1	0	0	0.6
REC	0.1	7.8	0.6	0	0	–0.6	0	0	0.6	–3.7	0	–22.3	9.8	–21.9	9.8	–3.9	0	–21.9

F. NO.	Q40029			Q40030			Q40031			Q40032			Q40033			Q40034		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	0	0	0	0	0.1	0	5.2	0	4.6	10.6	11.6	11.3	0	0	0.6	11.6	11.5	10.8
C	0	0	–0.2	–0.2	–0.2	0	5.2	0	4.6	10.5	11.5	11.3	0	0	0.6	11.5	11.4	10.7

F. NO.	Q40035			Q40036			Q40037			Q40038			Q40039			Q40040		
DE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	11.6	0	11.5	0	0	0	0	0	0	0	0	0	0	0	0	11.6	0	11.6
C	11.0	10.9	10.4	0.7	10.9	1.3	10.6	10.6	9.9	0	0	0.4	0	0	0.4	10.9	10.6	10.1

F. NO.	Q40041			Q40042			Q40043			Q40044			Q40049		
DE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
AY	0.1	7.4	0.6	0.1	7.4	0.6	0	0	0	0	0	0.7	0	0	0
C	0.1	7.4	0.7	0.1	7.4	0.7	0	0	–1.2	0	0	0.7	0.6	10.6	0.9

EF. NO.	QR40001			QR40002			QR40003			QR40004			QR40006			QR40007		
DE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
Y	0	0	7.0	0	7.0	0	0	0	7.0	9.8	0	10.8	0	0	0	0	3.9	0
C	0	5.2	0	0	0	9.2	0	9.7	0	9.8	9.7	5.0	0	0	9.8	0	3.8	0

REF. NO.	QR40008			QR40009			QR40010			QR40011			QR40012			QR40013		
DE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
Y	11.6	0	11.5	11.6	–0.8	11.5	11.6	0	11.5	0	0	0	0	0	0	0	0	0.8
C	11.5	11.5	0	11.5	–0.9	11.5	11.5	0	11.4	0	0	0	0	0	0	0	0	0

REF. NO.	QR40014			QR40015			QR40016			QR40017			QR40018			QR40019		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
Y	0	0	4.0	0	0	6.9	0	6.9	0	0	0	6.9	9.8	0	10.9	0	9.4	0
REC	0	0	4.0	0	5.2	0	0	0	9.2	0	9.7	0	9.8	9.7	4.8	0	0	9.7

REF. NO.	QR40020			QR40021			QR40022			QR40024			QR40025			QR40026		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	11.6	0	11.5	11.6	0.5	11.5	11.6	0	11.5	0	0	0	0	0	4.0	0	0	4.0
REC	11.5	11.5	0	11.5	–1.2	11.4	11.5	0	11.4	0	0	0	0	0	4.0	0	0	4.0

REF. NO.	QR40027			QR40028		
MODE	E	C	B	E	C	B
PLAY	0	0	0.8	0	0	0
REC	0	0	0	0	0	9.7

AUDIO 1 CONTROL

REF. NO.	IC40006			IC40007			IC40008						
MODE	1	2	3	1	2	3	1	2	3	4	5	6	7
PLAY	4.7	4.7	0	5.1	5.1	0	2.3	0.5	0	0	0.9	4.7	9.9
REC	4.6	4.6	0	5.1	5.1	0	2.3	0.5	0	0	0.9	4.8	9.9

REF. NO.	IC40009															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0.4	0	0	0	0	0	–6.2	0	0	5.5	5.5	0	0.3	0.2	0.1	6.0
REC	0	0	0	0	0	0	–6.2	0	0	0	0.2	0.2	0	0.2	0	5.9

REF. NO.	IC40010															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	0	0	0	0	0	0	0	0	5.1	5.1	4.1	0	0.4	0	5.1
REC	0	5.0	5.0	5.0	0	5.0	5.0	0	5.0	5.1	5.0	4.2	0	0.3	5.0	5.1

REF. NO.	IC40011															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	5.1	0	0	0	5.1	5.1	0	0	0	5.1	5.1	4.1	0	0	0	5.1
REC	5.0	0	0	5.0	0	5.1	5.0	0	5.0	5.1	5.0	4.2	0	5.0	0	5.1

REF. NO.	IC40012															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	0	0	0	0	5.1	0	0	0	5.1	5.0	4.1	0	0	0	5.1
REC	5.0	5.0	0	0	0	5.1	0	0	0	5.1	5.0	4.2	0	5.0	0	5.1

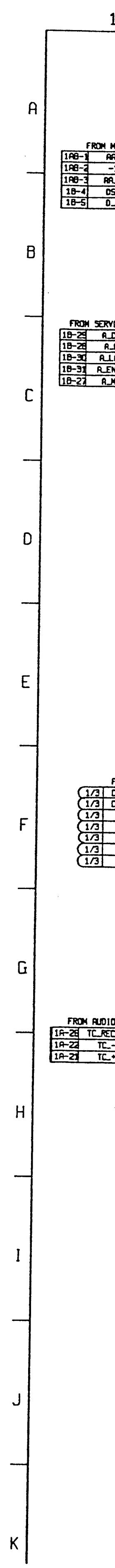
REF. NO.	IC40013															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	0	0	0	0	0	0	0	–0.6	11.5	11.0	11.6	11.5	11.5	11.0	11.6
REC	0	0	0	5.1	0	0	0	0	0.2	11.5	11.1	11.5	0	11.5	11.1	11.6

REF. NO.	IC40014															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	0	0	0	0	5.1	0	0	–0.7	11.5	0	9.7	9.7	11.6	3.6	10.2
REC	0	0	0	0	0	5.1	5.1	0	0.2	0	0	9.7	9.7	11.5	3.6	10.2

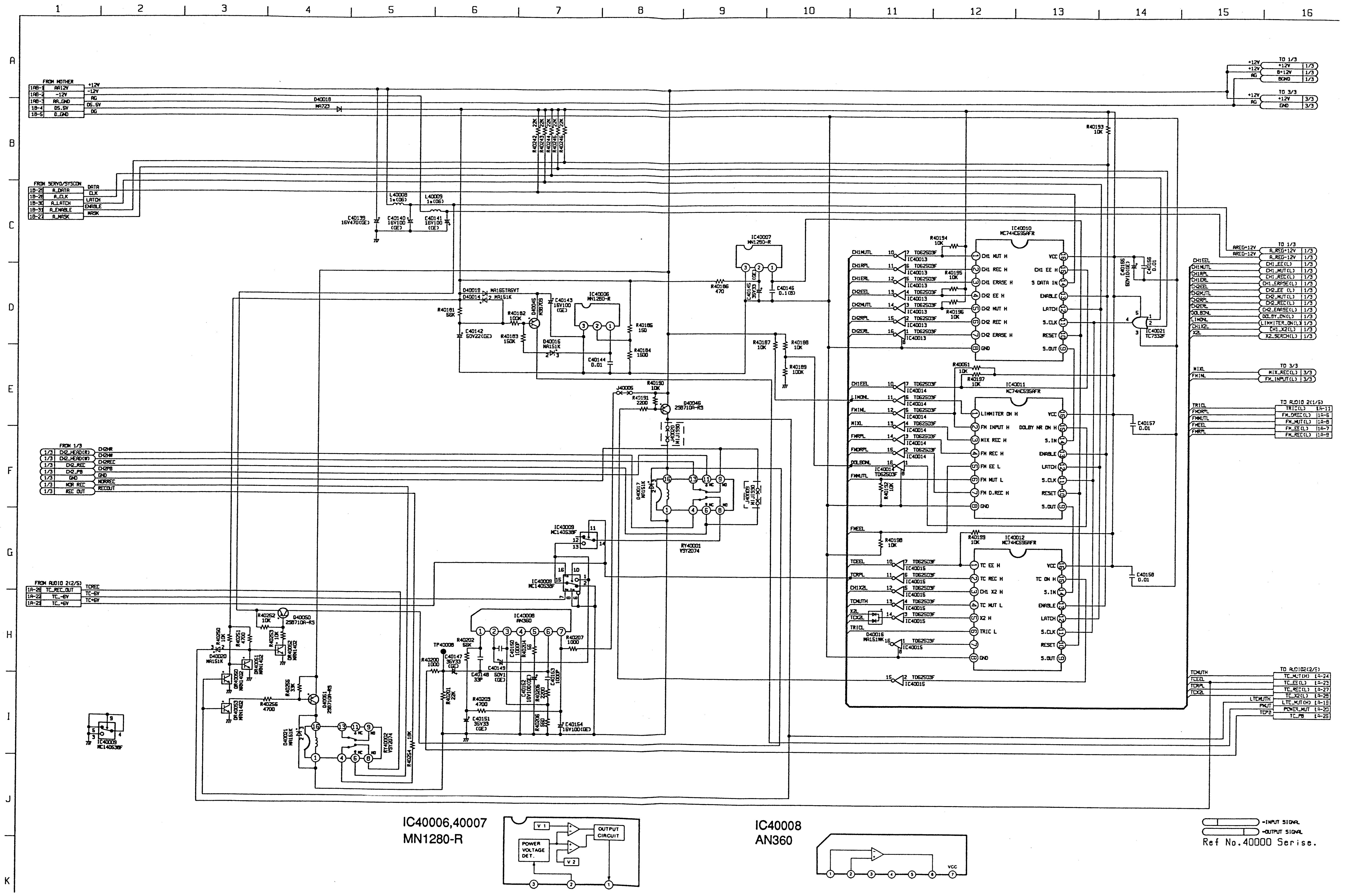
REF. NO.	IC40015															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	0	0	0	0	0	0	0	0.2	6.0	5.5	11.5	0.6	11.3	11.6	0.9
REC	0	0	0	0	0	0	5.1	0	0.2	0	5.5	11.5	0.5	11.3	11.5	0.7

REF. NO.	IC40021					Q40045			Q40046		
MODE	1	2	3	4	5	E	C	B	E	C	B
PLAY	4.7	4.7	0	5.1	5.1	5.1	0	5.0	11.6	0	11.5
REC	4.7	4.7	0	5.1	5.1	5.0	–1.1	4.9	11.5	0	11.5

AUDI

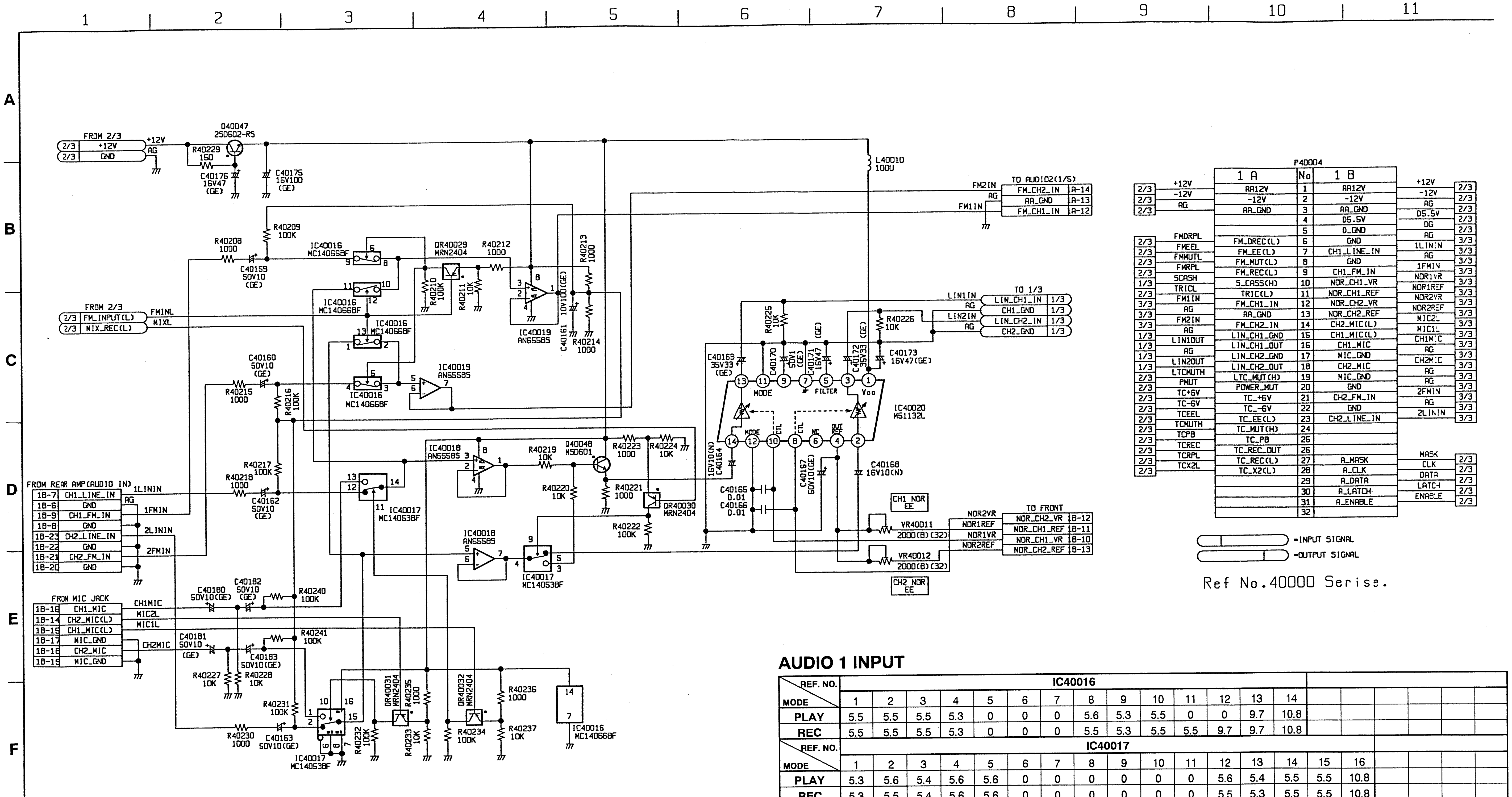


AUDIO 1 CONTROL SCHEMATIC DIAGRAM 2/3


FROM MOTHER
FROM SERVO/SYSCON
FROM 1/3
FROM AUDIO 2(2/5)
TO 1/3
TO 3/3
TO AUDIO 2(1/5)
TO AUDIO2(2/5)
IC40010 MC74HC595AFR
IC40011 MC74HC595AFR
IC40012 MC74HC595AFR
IC40013 TD62503F
IC40014 TD62503F
IC40015 TD62503F
IC40006 MN1280-R
IC40007 MN1280-R
IC40008 AN360
IC40009 MC14053BF
IC40021 TC7S32F
RY40001 VSY2074
RY40002 VSY2074
D40018 MA723
D40050 2SB710A-RS
D40046 2SB710A-RS
D40051 2SB710A-RS
IC40006,40007
MN1280-R
POWER VOLTAGE DET.
OUTPUT CIRCUIT
V 1
V 2
IC40008
AN360
VCC

=INPUT SIGNAL
=OUTPUT SIGNAL
Ref No.40000 Serise.

AUDIO 1 INPUT SCHEMATIC DIAGRAM 3/3



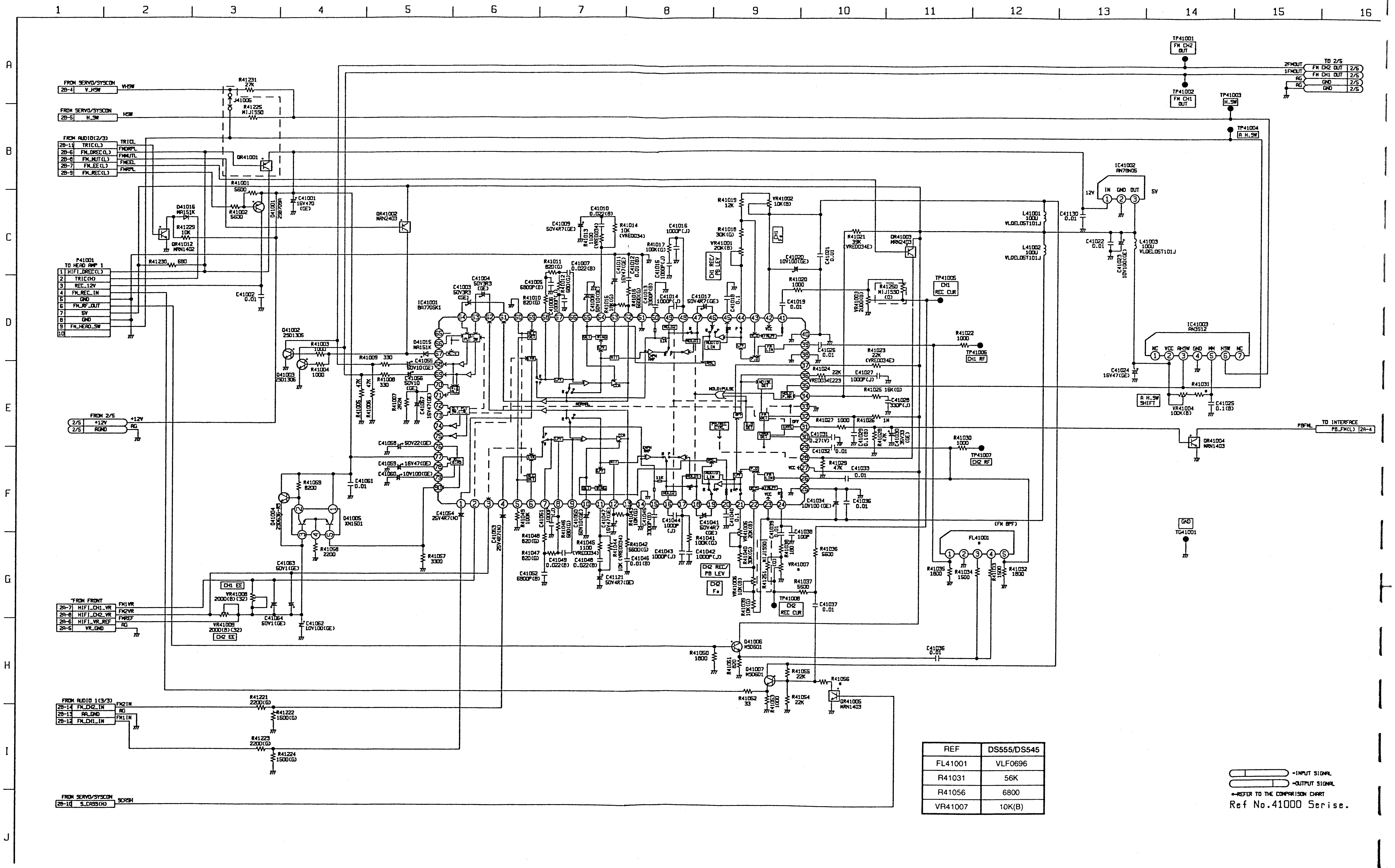
1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
FROM 2/3
+12V
GND
AG
Q40047
2SD602-RS
R40229
150
C40176
16V47
(GE)
C40175
16V100
(GE)
L40010
100U
R40209
100K
R40208
1000
C40159
50V10
(GE)
IC40016
MC14066BF
QR40029
MRN2404
R40212
1000
R40210
100K
R40211
10K
IC40019
AN6558S
R40213
1000
C40161
10V100(GE)
R40214
1000
FM_INPUT(L)
MIX_REC(L)
FMINL
MIXL
C40160
50V10
(GE)
R40215
1000
R40216
100K
TO AUDIO2(1/5)
FM2IN
FM1IN
FM_CH2_IN
AA_GND
FM_CH1_IN
1A-14
1A-13
1A-12
TO 1/3
LIN1IN
LIN2IN
LIN_CH1_IN
CH1_GND
LIN_CH2_IN
CH2_GND
R40225
10K
R40226
10K
C40169
35V33
(GE)
C40170
50V1
C40171
16V47
C40172
35V33
C40173
16V47(GE)
MODE
FILTER
Vcc
CTL
NC
OUT
REF
IC40020
M5113L
C40164
16V10(N)
C40168
16V10(N)
C40165
0.01
C40166
0.01
C40167
50V10(GE)
CH1 NOR
EE
CH2 NOR
EE
VR40011
2000(B)(32)
VR40012
2000(B)(32)
NOR2VR
NOR1REF
NOR1VR
NOR2REF
TO FRONT
NOR_CH2_VR
NOR_CH1_REF
NOR_CH1_VR
NOR_CH2_REF
1B-12
1B-11
1B-10
1B-13
FROM REAR AMP(AUDIO IN)
1B-7
CH1_LINE_IN
1B-6
1B-9
CH1_FM_IN
1B-8
1B-23
CH2_LINE_IN
1B-22
1B-21
CH2_FM_IN
1B-20
1LININ
1FMIN
2LININ
2FMIN
R40217
100K
R40218
1000
C40162
50V10
(GE)
IC40018
AN6558S
R40219
10K
Q40048
MSD601
R40223
1000
R40224
10K
R40220
10K
R40221
1000
QR40030
MRN2404
R40222
100K
IC40017
MC14053BF
FROM MIC JACK
1B-16
CH1_MIC
1B-14
CH2_MIC(L)
1B-15
CH1_MIC(L)
1B-17
MIC_GND
1B-18
CH2_MIC
1B-19
CH1MIC
MIC2L
MIC1L
CH2MIC
C40180
50V10(GE)
C40182
50V10
(GE)
R40240
100K
C40181
50V10
(GE)
R40241
100K
C40183
50V10(GE)
R40227
10K
R40228
10K
R40231
100K
R40230
1000
C40163
50V10(GE)
R40232
100K
QR40031
MRN2404
R40235
1000
R40233
10K
QR40032
MRN2404
R40234
100K
R40236
1000
R40237
10K
P40004
1 A
No
1 B
+12V
-12V
AA12V
AA_GND
D5.5V
D_GND
DG
FMDRPL
FMEEL
FMMUTL
FMRPL
SCASH
TRICL
FM1IN
FM2IN
LIN1OUT
LIN2OUT
LTCMUTH
PMUT
TC+6V
TC-6V
TCEEL
TCMUTH
TCPB
TCREC
TCRPL
TCX2L
FM_DREC(L)
FM_EE(L)
FM_MUT(L)
FM_REC(L)
S_CASS(H)
TRIC(L)
FM_CH1_IN
FM_CH2_IN
LIN_CH1_GND
LIN_CH1_OUT
LIN_CH2_GND
LIN_CH2_OUT
LTC_MUT(H)
POWER_MUT
TC_+6V
TC_-6V
TC_EE(L)
TC_MUT(H)
TC_PB
TC_REC_OUT
TC_REC(L)
TC_X2(L)
CH1_LINE_IN
CH1_FM_IN
NOR_CH1_VR
NOR_CH1_REF
NOR_CH2_VR
NOR_CH2_REF
CH2_MIC(L)
CH1_MIC(L)
CH1_MIC
MIC_GND
CH2_MIC
CH2_FM_IN
CH2_LINE_IN
A_MASK
A_CLK
A_DATA
A_LATCH
A_ENABLE
MASK
CLK
DATA
LATCH
ENABLE
=INPUT SIGNAL
=OUTPUT SIGNAL

Ref No.40000 Serise.

AUDIO 1 INPUT

REF. NO. / MODE																		
REF. NO.	IC40016																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14				
PLAY	5.5	5.5	5.5	5.3	0	0	0	5.6	5.3	5.5	0	0	9.7	10.8				
REC	5.5	5.5	5.5	5.3	0	0	0	5.5	5.3	5.5	5.5	9.7	9.7	10.8				
REF. NO.	IC40017																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
PLAY	5.3	5.6	5.4	5.6	5.6	0	0	0	0	0	0	5.6	5.4	5.5	5.5	10.8		
REC	5.3	5.5	5.4	5.6	5.6	0	0	0	0	0	0	5.5	5.3	5.5	5.5	10.8		
REF. NO.	IC40018								IC4019									
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
PLAY	5.6	5.6	5.6	0	5.6	5.6	5.6	10.8	5.6	5.6	5.6	0	5.6	5.6	5.6	10.8		
REC	5.6	5.6	5.5	0	5.5	5.6	5.5	10.7	5.6	5.6	5.5	0	5.6	5.6	5.6	10.8		
REF. NO.	IC40020																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14				
PLAY	10.8	4.8	4.2	5.4	10.7	0	0	2.7	0	2.6	0	0	4.2	4.8				
REC	10.7	4.7	4.2	5.4	10.6	0.3	0	2.6	0	2.6	0	0	4.2	4.7				
REF. NO.	Q40047			Q40048			QR40029			QR40030			QR40031			QR40032		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	10.8	11.6	11.5	4.8	10.8	5.4	9.8	0	9.7	9.9	0	9.7	9.8	0	9.7	9.8	0	9.7
REC	–10.8	11.5	11.5	4.8	10.8	5.4	9.8	0	9.7	9.8	0	9.7	9.8	0	9.7	9.8	0	9.7

AUDIO 2 FM AUDIO SCHEMATIC DIAGRAM 1/5


FROM SERVO/SYSCON
2B-4 V_HSW
VHSW
FROM SERVO/SYSCON
2B-5 H_SW
HSW
FROM AUDIO(2/3)
2B-11 TRIC(L)
2B-6 FM_DREC(L)
2B-8 FM_MUT(L)
2B-7 FM_EE(L)
2B-9 FM_REC(L)
TRICL
FMDRPL
FMMUTL
FMEEL
FMRPL
R41231 27K
J41005
R41225 MIJISSO
QR41001
R41001 5600
R41002 5600
Q41001 2SB709A
C41001 16V470 (GE)
D41016 MA151K
R41229 10K
QR41012 MRN1402
P41001 TO HEAD AMP 1
1 HIFI_DREC(L)
2 TRIC(H)
3 REC_12V
4 FM_REC_IN
5 GND
6 FM_RF_OUT
7 5V
8 GND
9 FM_HEAD_SW
10
R41230 680
C41002 0.01
Q41002 2SD1306
Q41003 2SD1306
IC41001 BA7765K1
QR41002 MRN2403
FROM 2/S
2/S +12V
2/S AGND
+12V
AG
FROM FRONT
2A-7 HIFI_CH1_VR
2A-8 HIFI_CH2_VR
2A-6 HIFI_VR_REF
2A-6 VR_GND
FM1VR
FM2VR
FMREF
CH1 EE
VR41008 2000(B)(32)
VR41009 2000(B)(32)
CH2 EE
FROM AUDIO 1(3/3)
2B-14 FM_CH2_IN
2B-13 AA_GND
2B-12 FM_CH1_IN
FM2IN
FM1IN
R41221 2200(D)
R41222 1500(G)
R41223 2200(D)
R41224 1500(G)
FROM SERVO/SYSCON
2B-10 S_CRSS(H)
SCRSH
CH1 REC/PB LEV
CH2 REC/PB LEV
HOLD:PULSE
NORMAL
TP41005 CH1 REC CUR
TP41006 CH1 RF
TP41007 CH2 RF
TP41008 CH2 REC CUR
Q41006 MSD601
Q41007 MSD601
QR41005 MRN1403
QR41003 MRN2403
(FM BPF)
FL41001
TP41001 FM CH2 OUT
TP41002 FM CH1 OUT
TP41003 H.SW
TP41004 A H.SW
TO 2/S
2FMOUT
1FMOUT
AG
AG
FM CH2 OUT 2/S
FM CH1 OUT 2/S
GND 2/S
GND 2/S
IC41002 AN78N05
12V
IN GND OUT
5V
C41130 0.01
L41001 100U VLOELOST101J
L41002 100U VLOELOST101J
L41003 100U VLOELOST101J
C41022 0.01
IC41003 AN3512
NC VCC AHSW GND MM HSW NC
A H.SW SHIFT
VR41004 100K(B)
R41031
C41025 0.1(B)
QR41004 MRN1403
TO INTERFACE
PBFML
PB_FM(L) 2A-4
GND
TG41001
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

REF	DS555/DS545
FL41001	VLF0696
R41031	56K
R41056	6800
VR41007	10K(B)

-INPUT SIGNAL

-OUTPUT SIGNAL

*-REFER TO THE COMPARISON CHART

Ref No.41000 Serise.

UDIO 2 FM AUDIO

REF. NO.	IC41001																			
DE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	4.5	4.5	0.2	4.5	0	4.5	4.5	4.5	4.5	0.1	4.5	4.5	0.3	0.3	4.5	4.5	4.5	4.5	2.4	0
REC	4.5	4.5	4.4	4.5	0	4.5	4.5	4.5	4.5	0	4.5	4.5	4.5	0	4.5	4.4	4.5	4.5	2.4	0

REF. NO.	IC41001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	2.4	2.4	4.9	2.8	0	2.9	4.9	0.5	2.7	3.5	3.3	4.4	0	0	5.0	2.4	3.3	0	2.9	0
REC	2.4	2.4	4.9	2.6	0	3.1	4.9	4.9	2.9	4.4	0	4.5	0	0	0	2.6	3.3	0	3.1	0

REF. NO.	IC41001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
LAY	2.8	4.9	0.3	2.4	0.3	2.4	4.5	4.5	4.5	4.5	0	4.5	4.5	4.5	0.1	4.5	4.5	4.5	4.5	0
REC	2.6	4.9	2.4	2.4	0	2.4	4.5	4.5	4.4	4.5	0	4.5	4.5	0.1	0.1	4.5	4.5	4.5	4.5	0

REF. NO.	IC41001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
LAY	4.5	4.5	5.9	5.9	0	5.9	–1.0	5.8	5.8	0	5.1	5.1	0	0	0	8.9	11.6	8.9	4.5	4.9
REC	4.5	4.5	0.1	5.9	0	5.9	–0.9	5.9	5.9	0	5.1	5.1	0	0	0	8.9	11.5	8.9	4.5	4.9

REF. NO.	IC41002			IC41003																
MODE	1	2	3	1	2	3	4	5	6	7										
LAY	4.9	0	11.6	–0.3	4.9	4.9	0	1.3	3.2	–0.5										
REC	4.9	0	11.5	0	4.9	5.0	0	1.3	3.7	0										

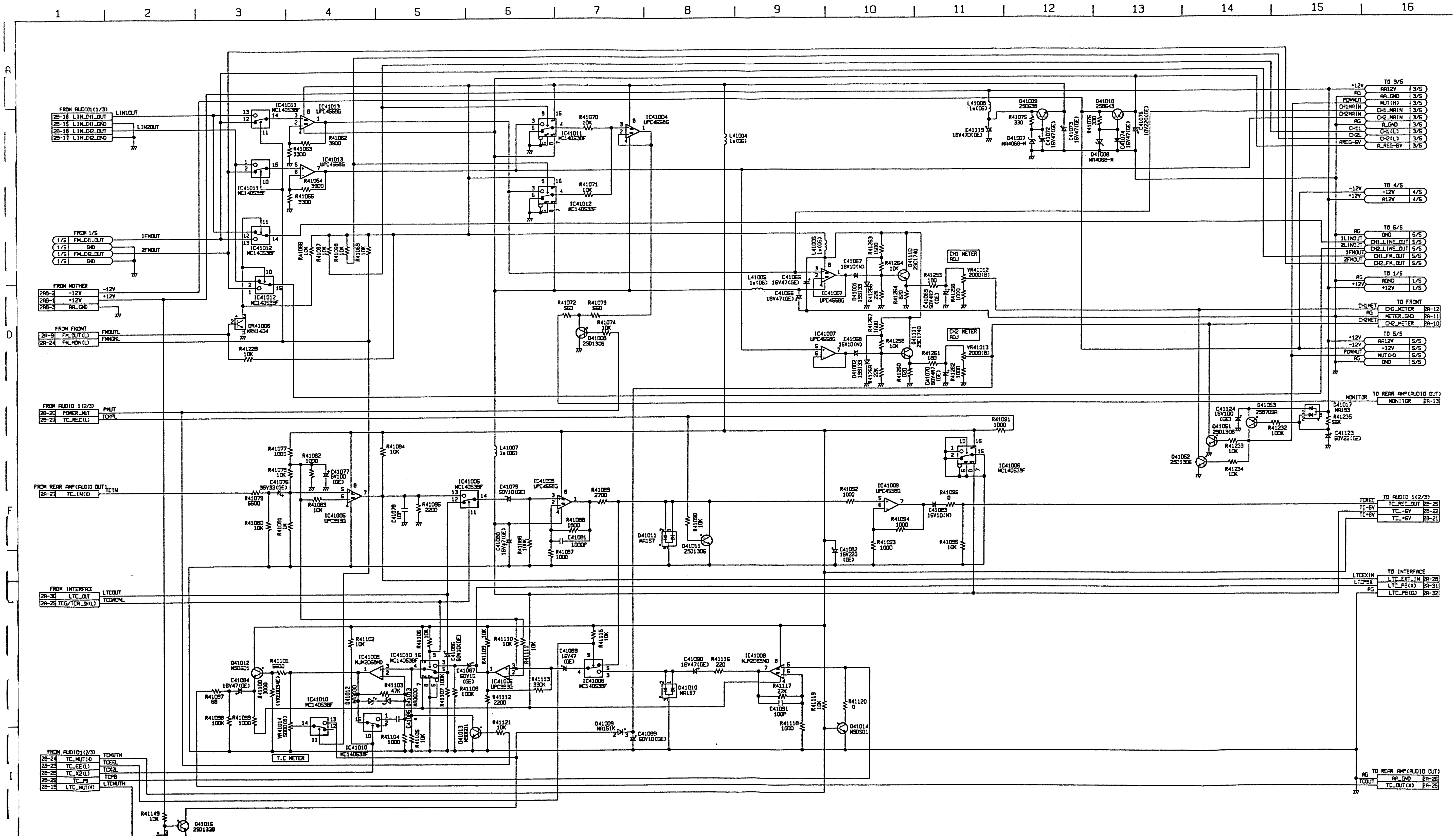
REF. NO.	Q41001			Q41002			Q41003			Q41004			Q41005					Q41006		
DE	E	C	B	E	C	B	E	C	B	E	C	B	1	2	3	4	5	E	C	B
LAY	11.6	0	11.6	0	0	–0.6	0	0	–0.6	4.8	11.6	5.4	11.5	5.4	4.8	4.2	4.8	1.3	4.9	1.9
REC	11.5	11.1	10.7	0	0	0	0	0	0	4.8	11.5	5.4	11.5	5.4	4.8	4.2	4.8	2.3	4.9	2.9

REF. NO.	Q41007			QR41002			QR41003			QR41004			QR41005			QR41012				
DE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
LAY	1.7	4.9	2.3	4.9	–0.3	5.2	4.9	0.5	5.1	0	0	3.2	0	2.3	0	0	0	5.1		
REC	1.7	4.9	2.3	4.9	–0.4	5.1	4.9	4.9	0	0	5.1	4.9	0	2.3	0	0	0	5.1		

AUDIO 2 TC

REF. NO. / MODE	IC41004								IC41005											
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8				
PLAY	0	0	0	–6.3	0.9	0.9	5.9	6.3	0	3.0	2.9	0	2.9	3.0	0	6.0				
REC	0	0	0	–6.4	–0.2	–0.3	5.8	6.3	0.5	2.9	2.8	0	2.9	2.9	0	5.9				
REF. NO.	IC41006																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	0	0	0	0	0	–6.2	0	6.0	0	0	0	0	0	0	6.0				
REC	0	0	0	0	0	0	–6.2	0	0	0	0	0.4	0	0.4	0	5.9				
REF. NO.	IC41007								IC41008											
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8				
PLAY	0	0	0	–6.3	0	0	0	6.2	0	0	0	–6.2	0	0	0	6.0				
REC	0	0	0	–6.3	0	0	0	6.2	0	0.6	0	0.6	0	0	0	5.9				
REF. NO.	IC41009																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0	0	0	–6.3	0	0	0	6.0												
REC	0	0	0	–6.2	0	0	0.1	5.9												
REF. NO.	IC41010																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	–0.9	0	0	0	0	–6.2	0	0	6.0	5.7	–0.9	0	0	0	6.0				
REC	0	–1.2	0	0	0	0	–6.2	0	0	5.9	5.7	–1.1	0	0	0	5.9				
REF. NO.	IC41011																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	0	0	0	0	0	–6.4	0	6.3	5.7	5.7	0	0	0	0	6.3				
REC	0	0	0	0	0	0	–6.4	0	6.3	5.7	5.7	0	0	0	0	6.3				
REF. NO.	IC41012																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	0	0	0	0	0	–6.4	0	6.3	0	0	0	0	0	0	6.3				
REC	0	0	0	0	0	0	–6.4	0	6.3	0	0	0	0	0	0	6.3				
REF. NO.	IC41013								Q41008			Q41009			Q41010			Q41011		
MODE	1	2	3	4	5	6	7	8	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	0	0	0	–6.3	0	0	0	6.3	0	0	–0.8	6.3	10.9	6.9	–6.4	–11.9	–7.0	0	0	0.6
REC	0	0	0	–6.4	0	0	0	6.3	0	0	0	6.3	10.8	6.9	–6.4	–11.9	–7.0	0	0	0
REF. NO.	Q41012			Q41013			Q41014			Q41015			Q41051			Q41052				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	–0.6	6.0	0	0	0	–0.4	0	0	0.6	0	0	0.6	0	0	0	0	0	0		
REC	–0.6	5.9	0	0	0	–1.2	0	0	0.6	0	0	0.6	0	0.1	–0.2	0	0.1	–0.2		
REF. NO.	Q41053			QR41006			QR41007													
MODE	E	C	B	E	C	B	E	C	B											
PLAY	11.1	0	11.4	0	0	5.3	0	0.6	0											
REC	11.0	–0.2	11.4	0	0	5.3	0	0.6	0											

AUDIO 2 TC SCHEMATIC DIAGRAM 2/5



FROM AUDIO1(1/3)
LIN1OUT
LIN2OUT
2B-18 LIN_CH1_OUT
2B-15 LIN_CH1_GND
2B-16 LIN_CH2_OUT
2B-17 LIN_CH2_GND
FROM 1/6
1FMOUT
2FMOUT
1/5 FM_CH1_OUT
1/5 GND
1/5 FM_CH2_OUT
1/5 GND
FROM MOTHER
2B-2 -12V
2B-1 +12V
2B-3 AA_GND
FROM FRONT
FMOUTL
FMMONL
2A-9 FM_OUT(L)
2A-24 FM_MON(L)
FROM AUDIO 1(2/3)
PMUT
TCRPL
2B-20 POWER_MUT
2B-22 TC_REC(L)
FROM REAR AMP(AUDIO OUT)
TCIN
2A-27 TC_IN(X)
FROM INTERFACE
LTCOUT
TCGROWL
2A-30 LTC_OUT
2A-29 TCG/TCR_ON(L)
FROM AUDIO1(2/3)
TCMUTH
TCEEL
TCX2L
TCPB
LTCMUTH
2B-24 TC_MUT(H)
2B-23 TC_EE(L)
2B-26 TC_X2(L)
2B-29 TC_PB
2B-19 LTC_MUT(H)
T.C METER
TO 3/5
AA12V
AA_GND
MUT(H)
CH1_MAIN
CH2_MAIN
A_GND
CH1(L)
CH2(L)
A_REG-6V
TO 4/5
-12V
A12V
TO 5/5
GND
CH1_LINE_OUT
CH2_LINE_OUT
CH1_FM_OUT
CH2_FM_OUT
TO 1/5
AGND
+12V
TO FRONT
CH1_METER
METER_GND
CH2_METER
2A-12
2A-11
2A-10
TO 5/5
AA12V
-12V
MUT(H)
GND
TO REAR AMP(AUDIO OUT)
MONITOR
2A-13
TO AUDIO 1(2/3)
TC_REC_OUT
TC_-6V
TC_+6V
2B-26
2B-22
2B-21
TO INTERFACE
LTCEXIN
LTCPBX
LTC_EXT_IN
LTC_PB(X)
LTC_PB(G)
2A-28
2A-31
2A-32
TO REAR AMP(AUDIO OUT)
AA_GND
TC_OUT(X)
2A-26
2A-25
CH1 METER ADJ
CH2 METER ADJ
IC41011 MC14053BF
IC41013 UPC4558G
IC41012 MC14053BF
IC41004 UPC4558G
IC41007 UPC4558G
IC41005 UPC393G
IC41006 MC14053BF
IC41009 UPC4558G
IC41008 NJM2068MD
IC41010 MC14053BF
QR41006 MRN1404
QR41007 MRN1404
Q41015 2SD1328
Q41009 2SD636
Q41010 2SB643
Q41110 2SC1740
Q41111 2SC1740
Q41008 2SD1306
Q41011 2SD1306
Q41012 MSD601
Q41013 MSD601
Q41014 MSD601
Q41053 2SB709A
Q41051 2SD1306
Q41052 2SD1306
D41007 MA4068-M
D41008 MA4068-M
D41001 1SS133
D41002 1SS133
D41011 MA157
D41010 MA157
D41009 MA151K
D41017 MA153
VR41012 2000(B)
VR41013 2000(B)
VR41014 5000(B)
L41004 1u(06)
L41005 1u(06)
L41006 1u(06)
L41007 1u(06)
L41008 1u(06)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
D
F
I

REF	DS555/DS545
C41085	2200P(B)

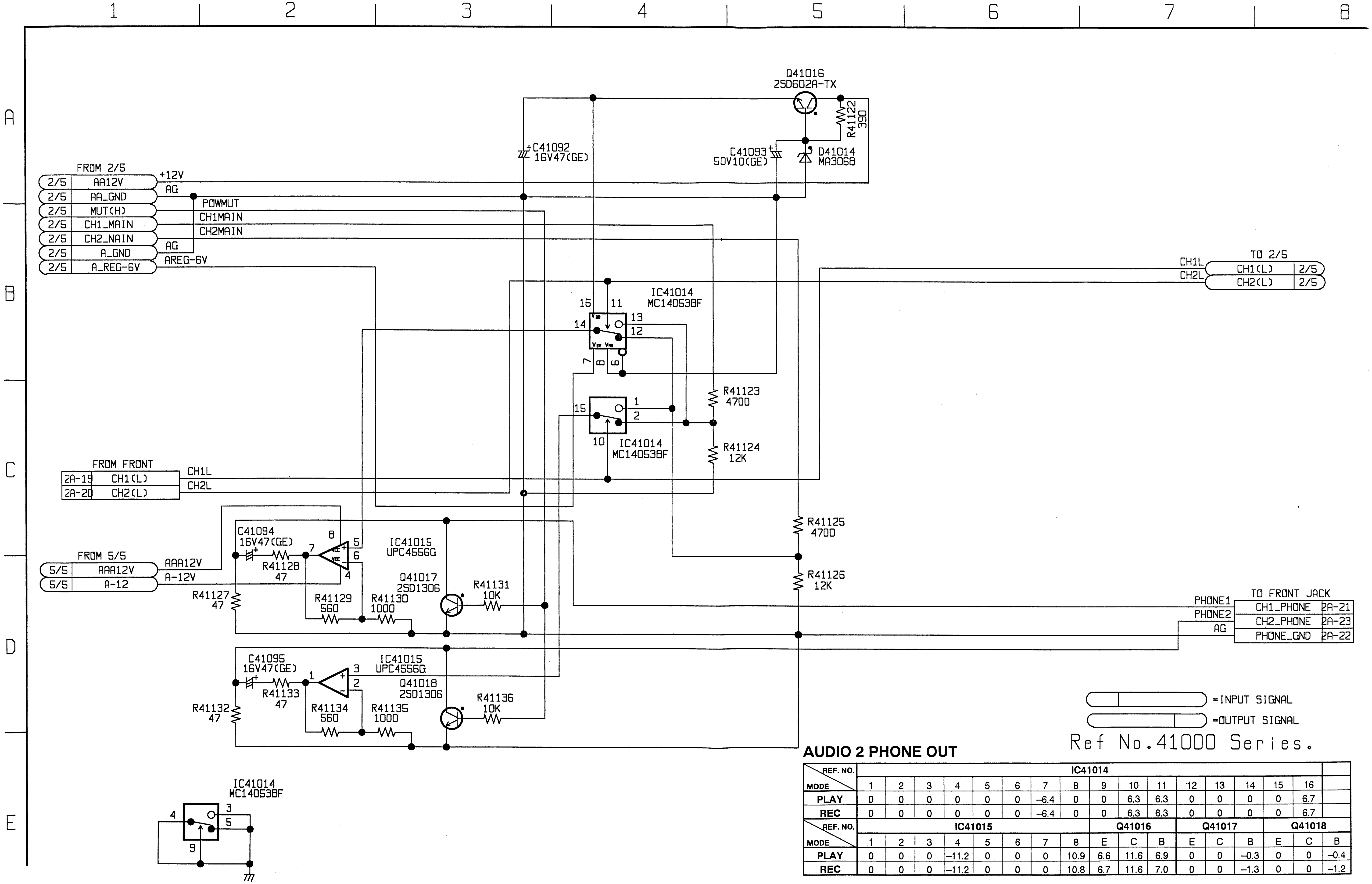
=INPUT SIGNAL

=OUTPUT SIGNAL

*=REFER TO THE COMPARISON CHART

Ref NO.41000 Series.

AUDIO 2 PHONE OUT SCHEMATIC DIAGRAM 3/5

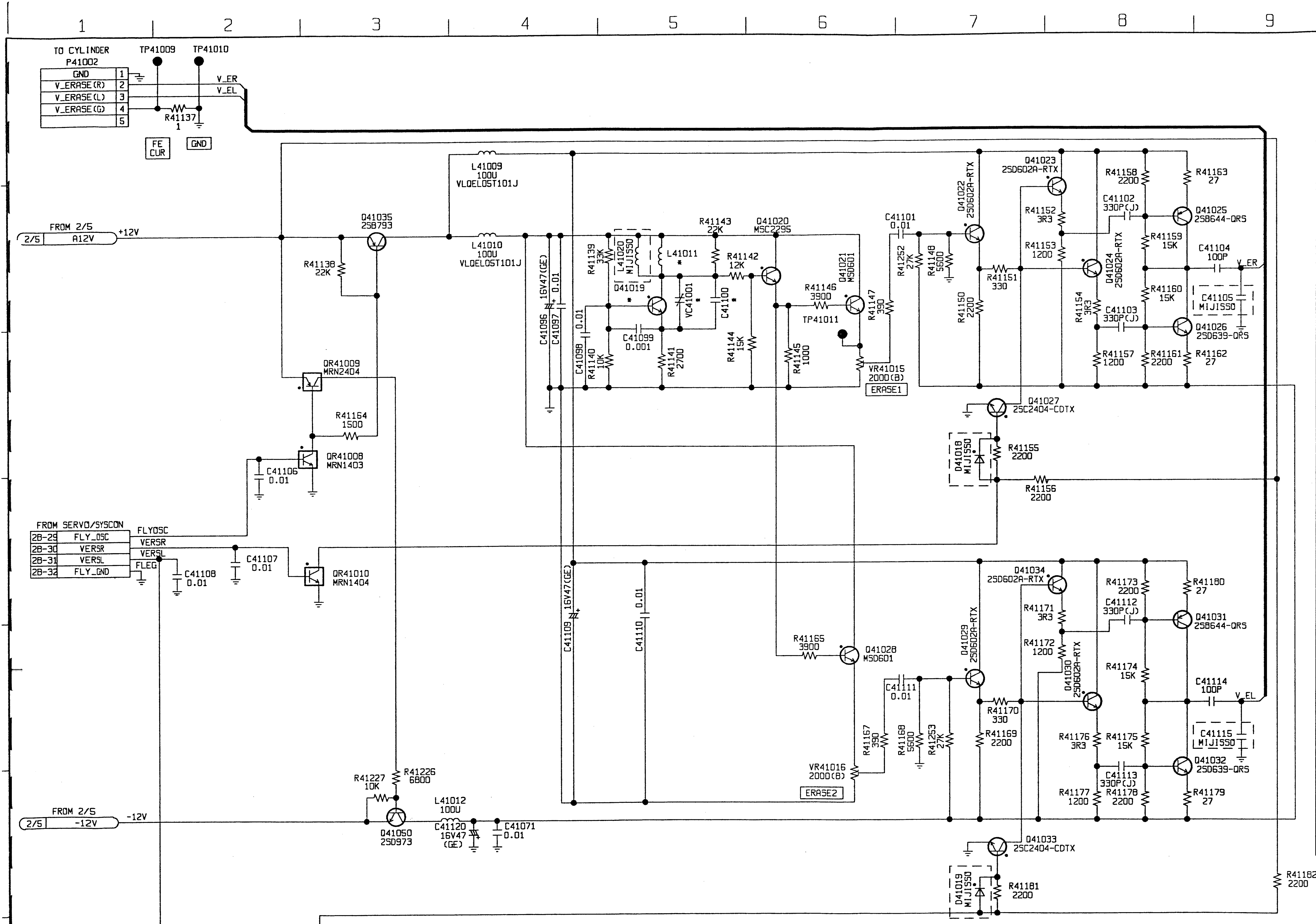

1
2
3
4
5
6
7
8
A
B
C
D
E
Q41016
2SD602A-TX
R41122
390
C41092
16V47(GE)
C41093
50V10(GE)
D41014
MA3068
FROM 2/5
2/5
AA12V
AA_GND
MUT(H)
CH1_MAIN
CH2_NAIN
A_GND
A_REG-6V
+12V
AG
POWMUT
CH1MAIN
CH2MAIN
AG
AREG-6V
TO 2/5
CH1L
CH2L
CH1(L)
CH2(L)
IC41014
MC14053BF
16
11
13
12
14
7
8
6
15
1
2
10
R41123
4700
R41124
12K
FROM FRONT
2A-19
2A-20
CH1(L)
CH2(L)
CH1L
CH2L
C41094
16V47(GE)
IC41015
UPC4556G
R41128
47
FROM 5/5
5/5
AAA12V
A-12
AAA12V
A-12V
R41127
47
Q41017
2SD1306
R41129
560
R41130
1000
R41131
10K
R41125
4700
R41126
12K
TO FRONT JACK
PHONE1
PHONE2
AG
CH1_PHONE
CH2_PHONE
PHONE_GND
2A-21
2A-23
2A-22
C41095
16V47(GE)
R41133
47
R41132
47
R41134
560
R41135
1000
Q41018
2SD1306
R41136
10K
3
5
4
9
=INPUT SIGNAL
=OUTPUT SIGNAL

Ref No.41000 Series.

AUDIO 2 PHONE OUT

REF. NO. / MODE	IC41014																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
PLAY	0	0	0	0	0	0	–6.4	0	0	6.3	6.3	0	0	0	0	6.7	
REC	0	0	0	0	0	0	–6.4	0	0	6.3	6.3	0	0	0	0	6.7	
REF. NO. / MODE	IC41015								Q41016			Q41017			Q41018		
	1	2	3	4	5	6	7	8	E	C	B	E	C	B	E	C	B
PLAY	0	0	0	–11.2	0	0	0	10.9	6.6	11.6	6.9	0	0	–0.3	0	0	–0.4
REC	0	0	0	–11.2	0	0	0	10.8	6.7	11.6	7.0	0	0	–1.3	0	0	–1.2

AUDIO 2 FLYING ERASE SCHEMATIC DIAGRAM 4/5


1
2
3
4
5
6
7
8
9
10
11
TO CYLINDER
P41002
GND
V_ERASE(R)
V_ERASE(L)
V_ERASE(G)
TP41009
TP41010
V_ER
V_EL
R41137
1
FE CUR
GND
FROM 2/5
2/5
A12V
+12V
Q41035
2SB793
R41138
22K
L41009
100U
VLQEL05T101J
L41010
100U
VLQEL05T101J
C41096
16V47(GE)
C41097
0.01
C41098
0.01
R41139
33K
R41140
10K
L41020
MIJ1550
Q41019
L41011
VC41001
C41099
0.001
R41141
2700
R41143
22K
R41142
12K
C41100
R41144
15K
Q41020
MSC2295
R41145
1000
R41146
3900
Q41021
MSD601
TP41011
R41147
390
VR41015
2000(B)
ERASE1
C41101
0.01
R41252
27K
R41148
5600
Q41022
2SD602A-RTX
R41150
2200
R41151
330
Q41023
2SD602A-RTX
R41152
3R3
R41153
1200
Q41024
2SD602A-RTX
R41154
3R3
R41157
1200
R41158
2200
C41102
330P(J)
C41103
330P(J)
R41159
15K
R41160
15K
R41161
2200
R41163
27
Q41025
2SB644-QRS
Q41026
2SD639-QRS
R41162
27
C41104
100P
V_ER
C41105
MIJ1550
Q41027
2SC2404-CDTX
D41018
MIJ1550
R41155
2200
R41156
2200
QR41009
MRN2404
R41164
1500
QR41008
MRN1403
C41106
0.01
FROM SERVO/SYSCON
2B-29
FLY_OSC
2B-30
VERSR
2B-31
VERSL
2B-32
FLY_GND
FLYOSC
VERSR
VERSL
FLEG
C41108
0.01
C41107
0.01
QR41010
MRN1404
C41109
16V47(GE)
C41110
0.01
R41165
3900
Q41028
MSD601
C41111
0.01
R41167
390
R41168
5600
R41253
27K
VR41016
2000(B)
ERASE2
Q41029
2SD602A-RTX
R41170
330
R41169
2200
Q41034
2SD602A-RTX
R41171
3R3
R41172
1200
Q41030
2SD602A-RTX
R41176
3R3
R41177
1200
R41173
2200
C41112
330P(J)
R41174
15K
R41175
15K
C41113
330P(J)
R41178
2200
R41180
27
Q41031
2SB644-QRS
C41114
100P
V_EL
C41115
MIJ1550
Q41032
2SD639-QRS
R41179
27
Q41033
2SC2404-CDTX
D41019
MIJ1550
R41181
2200
R41182
2200
R41227
10K
R41226
6800
FROM 2/5
2/5
-12V
-12V
Q41050
2SD973
L41012
100U
C41120
16V47
(GE)
C41071
0.01
QR41011
MRN1404

AUDIO 2 FLYING ERASE

REF. NO. / MODE	Q41019			Q41020		
	E	C	B	E	C	B
PLAY	0	0	0	0	0	0
REC	0	0	0	0	0	0
REF. NO. / MODE	Q41021			Q41022		
	E	C	B	E	C	B
PLAY	0	0	0	0	0	0
REC	0	0	0	0	0	0
REF. NO. / MODE	Q41023			Q41024		
	E	C	B	E	C	B
PLAY	0	0	0	0	0	0
REC	0	0	0	0	0	0
REF. NO. / MODE	Q41025			Q41026		
	E	C	B	E	C	B
PLAY	0	0	0	0	0	0
REC	0	0	0	0	0	0
REF. NO. / MODE	Q41027			Q41028		
	E	C	B	E	C	B
PLAY	0	0	0.7	0	0	0
REC	0	0	0.7	0	0	0
REF. NO. / MODE	Q41029			Q41030		
	E	C	B	E	C	B
PLAY	0	0	0	0	0	0
REC	0	0	0	0	0	0
REF. NO. / MODE	Q41031			Q41032		
	E	C	B	E	C	B
PLAY	0	0	0	0	0	0
REC	0	0	0	0	0	0
REF. NO. / MODE	Q41033			Q41034		
	E	C	B	E	C	B
PLAY	0	0	0.7	0	0	0
REC	0	0	0.7	0	0	0
REF. NO. / MODE	Q41035			Q41050		
	E	C	B	E	C	B
PLAY	11.6	0	11.6	–11.9	0	–11.9
REC	11.6	0	11.6	–11.9	0	–11.9
REF. NO. / MODE	QR41008			QR41009		
	E	C	B	E	C	B
PLAY	0	11.6	0	11.6	–11.9	11.6
REC	0	11.6	0	11.5	–11.9	11.5
REF. NO. / MODE	QR41010			QR41011		
	E	C	B	E	C	B
PLAY	0	6.1	0	0	6.2	0
REC	0	4.1	4.8	0	4.1	4.8

REF	DS555/DS545
C41100	12P
L41011	VLQEL05T150J
Q41019	MSC2295
VC41001	———

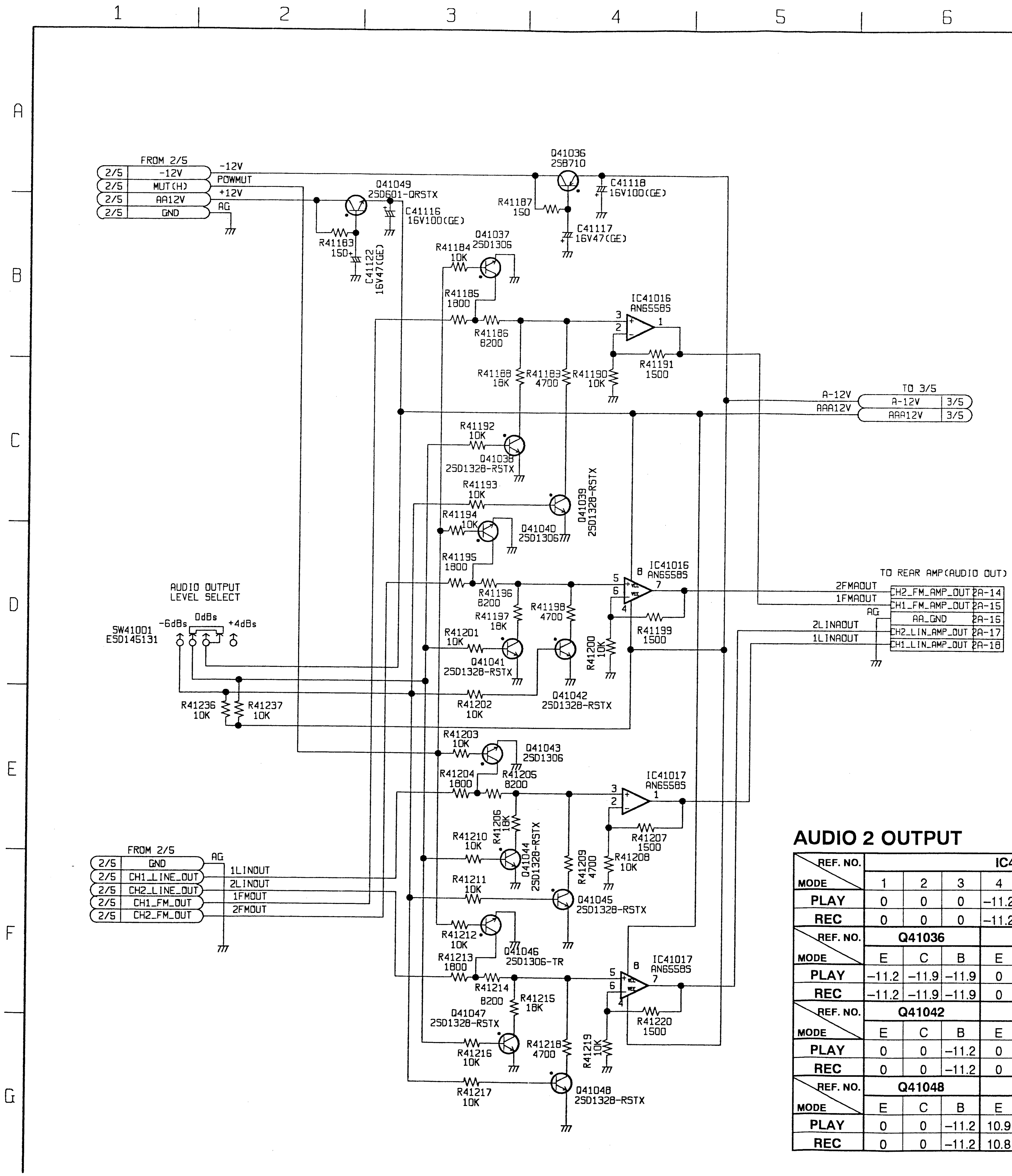
=INPUT SIGNAL

=OUTPUT SIGNAL

Ref No.41000 Series.

AUDIO 2 OUTPUT SCHEMATIC DIAGRAM 5/5

)20
B
0
0
)22
B
0
0
)24
B
0
0
)26
B
0
0
28
B
0
0
30
B
0
0
32
B
0
0
34
B
0
0
50
B
-11.9
-11.9
)09
B
) 11.6
) 11.5
)11
B
0
4.8


11
1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
FROM 2/5
2/5 -12V
2/5 MUT(H)
2/5 AA12V
2/5 GND
-12V
POWMUT
+12V
AG
Q41049
2SD601-QRSTX
R41183
150
C41122
16V47(GE)
C41116
16V100(GE)
Q41036
2SB710
R41187
150
C41118
16V100(GE)
C41117
16V47(GE)
Q41037
R41184 2SD1306
10K
R41185
1800
R41186
8200
IC41016
AN6558S
R41191
1500
R41188
18K
R41189
4700
R41190
10K
A-12V
AAA12V
TO 3/5
A-12V 3/5
AAA12V 3/5
R41192
10K
Q41038
2SD1328-RSTX
R41193
10K
Q41039
2SD1328-RSTX
R41194
10K
Q41040
2SD1306
R41195
1800
R41196
8200
R41197
18K
R41198
4700
IC41016
AN6558S
R41199
1500
AUDIO OUTPUT
LEVEL SELECT
0dBs
-6dBs
+4dBs
SW41001
ESD145131
R41201
10K
Q41041
2SD1328-RSTX
Q41042
2SD1328-RSTX
R41200
10K
R41202
10K
R41236
10K
R41237
10K
TO REAR AMP(AUDIO OUT)
2FMAOUT
1FMAOUT
AG
2LINAOUT
1LINAOUT
CH2_FM_AMP_OUT 2A-14
CH1_FM_AMP_OUT 2A-15
AA_GND 2A-16
CH2_LIN_AMP_OUT 2A-17
CH1_LIN_AMP_OUT 2A-18
R41203
10K
Q41043
2SD1306
R41204
1800
R41205
8200
IC41017
AN6558S
R41206
18K
R41207
1500
R41208
10K
R41209
4700
R41210
10K
Q41044
2SD1328-RSTX
R41211
10K
Q41045
2SD1328-RSTX
FROM 2/5
AG
2/5 GND
2/5 CH1_LINE_OUT
2/5 CH2_LINE_OUT
2/5 CH1_FM_OUT
2/5 CH2_FM_OUT
1LINOUT
2LINOUT
1FMOUT
2FMOUT
R41212
10K
Q41046
2SD1306-TR
R41213
1800
R41214
8200
R41215
18K
IC41017
AN6558S
R41220
1500
Q41047
2SD1328-RSTX
R41216
10K
R41218
4700
R41219
10K
R41217
10K
Q41048
2SD1328-RSTX

P41003

		2 A	No	2 B		
2/5	+12V	AA12V	1	AA12V	+12V	2/5
2/5	-12V	-12V	2	-12V	-12V	2/5
2/5	AG	AA_GND	3	AA_GND	AG	2/5
1/5	PBFML	PB_FM(L)	4	V_HSW	VHSW	1/5
1/5	AG	VR_GND	5	H_SW	HSW	1/5
1/5	FMREF	HIFI_VR_REF	6	FM_DREC(L)	FMDRPL	1/5
1/5	FM1VR	HIFI_CH1_VR	7	FM_EE(L)	FMEEL	1/5
1/5	FM2VR	HIFI_CH2_VR	8	FM_MUT(L)	FMMUTL	1/5
2/5	FMOUTL	FM_OUT(L)	9	FM_REC(L)	FMRPL	1/5
2/5	CH2MET	CH2_METER	10	S_CASS(H)	SCASH	1/5
2/5	AG	METER_GND	11	TRIC(L)	TRICL	1/5
2/5	CH1MET	CH1_METER	12	FM_CH1_IN	FM1IN	1/5
2/5	MONITOR	MONITOR	13	AA_GND	AG	1/5
5/5	2FMAOUT	CH2_FM_AMP_OUT	14	FM_CH2_IN	FM2IN	1/5
5/5	1FMAOUT	CH1_FM_AMP_OUT	15	LIN_CH1_GND	AG	2/5
5/5	AG	AA_GND	16	LIN_CH1_OUT	LIN1OUT	2/5
5/5	2LINAOUT	CH2_LIN_AMP_OUT	17	LIN_CH2_GND	AG	2/5
5/5	1LINAOUT	CH1_LIN_AMP_OUT	18	LIN_CH2_OUT	LIN2OUT	2/5
3/5	CH1L	CH1(L)	19	LTC_MUT(H)	LTCMUTH	2/5
3/5	CH2L	CH2(L)	20	POWER_MUT	PMUT	2/5
3/5	PHONE1	CH1_PHONE	21	TC_+6V	TC+6V	2/5
3/5	AG	PHONE_GND	22	TC_-6V	TC-6V	2/5
3/5	PHONE2	CH2_PHONE	23	TC_EE(L)	TCEEL	2/5
2/5	FMMONL	FM_MON(L)	24	TC_MUT(H)	TCMUTH	2/5
2/5	TCOUT	TC_OUT(X)	25	TC_PB	TCPB	2/5
2/5	AG	AA_GND	26	TC_REC_OUT	TCREC	2/5
2/5	TCIN	TC_IN(X)	27	TC_REC(L)	TCRPL	2/5
2/5	LTCEXIN	LTC_EXT_IN	28	TC_X2(L)	TCX2L	2/5
2/5	TCGRONL	TCG/TCR_ON(L)	29	FLY_OSC	FLYOSC	4/5
2/5	LTCOUT	LTC_OUT	30	VERSR	VERSR	4/5
2/5	LTCPBX	LTC_PB(X)	31	VERSL	VERSL	4/5
2/5	AG	LTC_PB(G)	32	FLY_GND	FLEG	4/5

=INPUT SIGNAL
=OUTPUT SIGNAL

Ref No.41000 Series.

AUDIO 2 OUTPUT

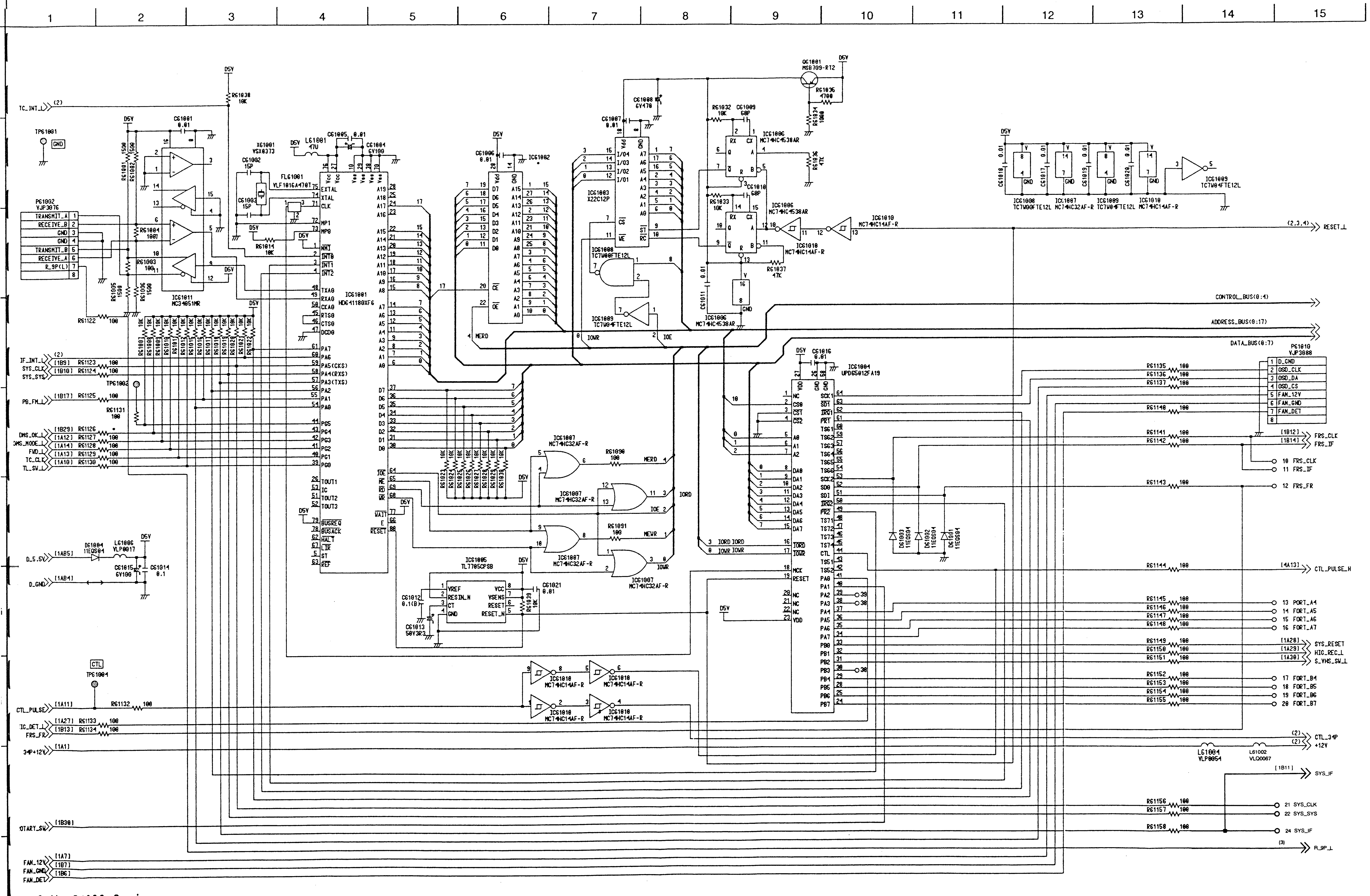
REF. NO.	IC41016								IC41017											
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8				
PLAY	0	0	0	–11.2	0	0	0	10.9	0	0	0	–11.3	0	0	0	10.9				
REC	0	0	0	–11.2	0	0	0	10.8	0	0	0	–11.2	0	0	0	10.8				

REF. NO.	Q41036			Q41037			Q41038			Q41039			Q41040			Q41041			
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	
PLAY	–11.2	–11.9	–11.9	0	0	–0.4	0	0	0.6	0	0	–11.2	0	0	0	0	0	0.6	
REC	–11.2	–11.9	–11.9	0	0	–1.2	0	0	0.6	0	0	–11.2	0	0	–0.4	0	0	0.6	

REF. NO.	Q41042			Q41043			Q41044			Q41045			Q41046			Q41047			
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	
PLAY	0	0	–11.2	0	0	–0.4	0	0	0.6	0	0	–11.2	0	0	0	0	0	0.6	
REC	0	0	–11.2	0	0	–1.2	0	0	0.6	0	0	–11.2	0	0	–0.3	0	0	0.6	

REF. NO.	Q41048			Q41049															
MODE	E	C	B	E	C	B													
PLAY	0	0	–11.2	10.9	11.6	11.6													
REC	0	0	–11.2	10.8	11.5	11.5													

TERFACE (1) SCHEMATIC DIAGRAM 1/6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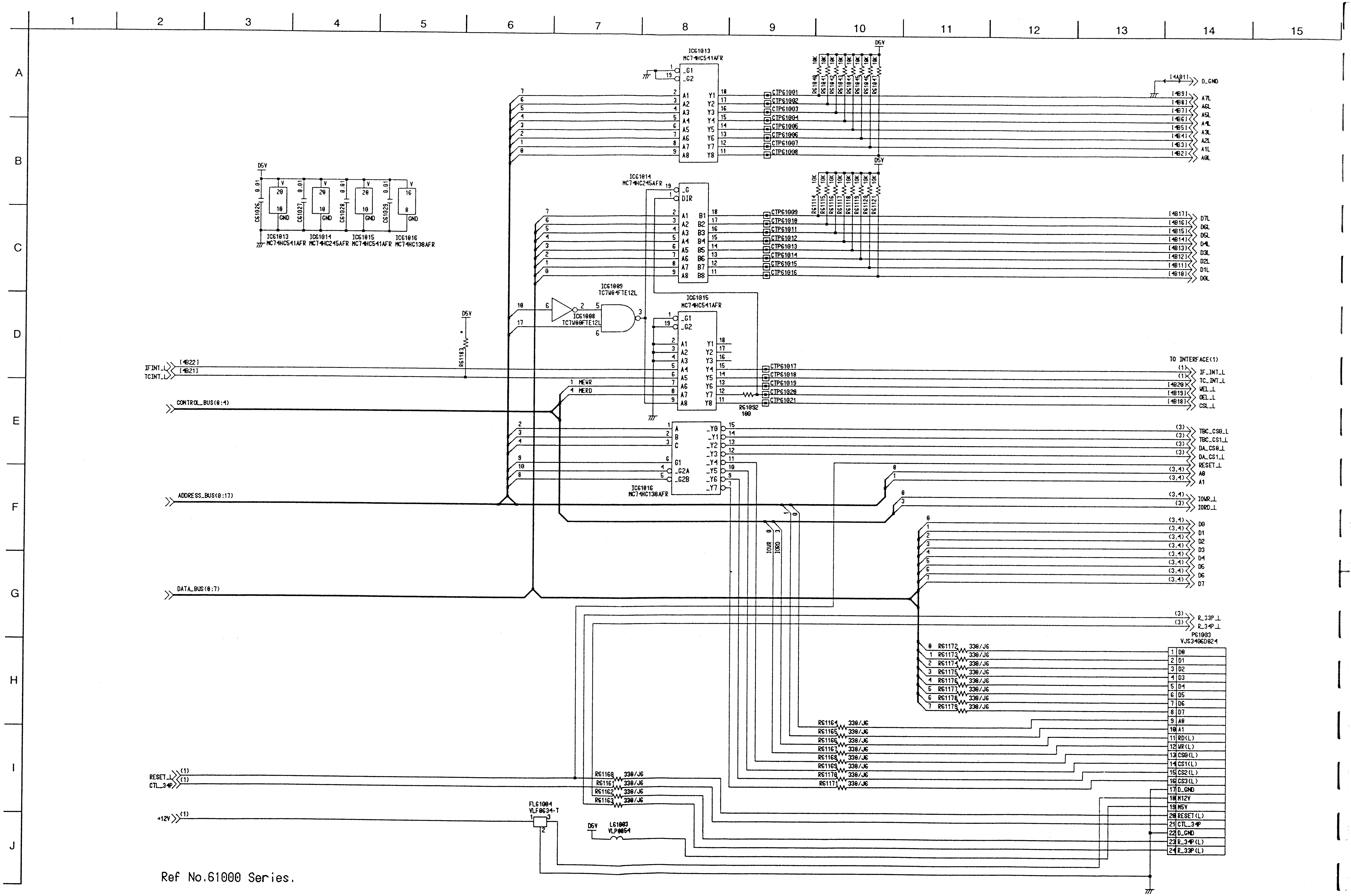
A
B
C
D
E
F
G
H
I
J
TC_INT_L
TP61001
GND
P61002
VJP3076
TRANSMIT_A
RECEIVE_B
GND
GND
TRANSMIT_B
RECEIVE_A
R_9P(L)
IC61011
MC34051MR
IC61001
HD641180XF6
X61001
VSX6373
FL61001
VLF1016A4701
L61001
47U
C61005
0.01
C61004
6V100
IC61002
IC61003
X22C12P
IC61008
TC7W00FTE12L
IC61009
TC7W04FTE12L
IC61006
MC74HC4538AR
Q61001
MSB709-RT2
R61035
4700
R61034
1000
R61036
47K
R61037
47K
IC61010
MC74HC14AF-R
IC61007
MC74HC32AF-R
IC61005
TL7705CPSB
IC61004
UPD65012FA19
CONTROL_BUS(0:4)
ADDRESS_BUS(0:17)
DATA_BUS(0:7)
P61010
VJP3088
D_GND
OSD_CLK
OSD_DA
OSD_CS
FAN_12V
FAN_GND
FAN_DET
RESET_L
MERD
MEWR
IORD
IOWR
IOE
IF_INT_L
SYS_CLK
SYS_SYS
TP61002
PB_FM_L
DMS_OK_L
DMS_MODE_L
FWD_L
TC_CLK
TL_SW_L
D_5.5V
D61004
11EQS04
L61006
VLP0017
C61015
6V100
C61014
0.1
D_GND
TP61004
CTL
CTL_PULSE
TC_DET_L
FRS_FR
34P+12V
ROTARY_SW
FAN_12V
FAN_GND
FAN_DET
FRS_CLK
FRS_IF
10 FRS_CLK
11 FRS_IF
12 FRS_FR
CTL_PULSE_H
13 PORT_A4
14 PORT_A5
15 PORT_A6
16 PORT_A7
SYS_RESET
HIC_REC_L
S_VHS_SW_L
17 PORT_B4
18 PORT_B5
19 PORT_B6
20 PORT_B7
CTL_34P
+12V
L61004
VLP0054
L61002
VLQ0067
SYS_IF
21 SYS_CLK
22 SYS_SYS
24 SYS_IF
R_9P_L
D61001
D61002
D61003
11EQS04
D5V

Ref No.61000 Series.

INTERFA

INTERFACE (2) SCHEMATIC DIAGRAM 2/6



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A
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D
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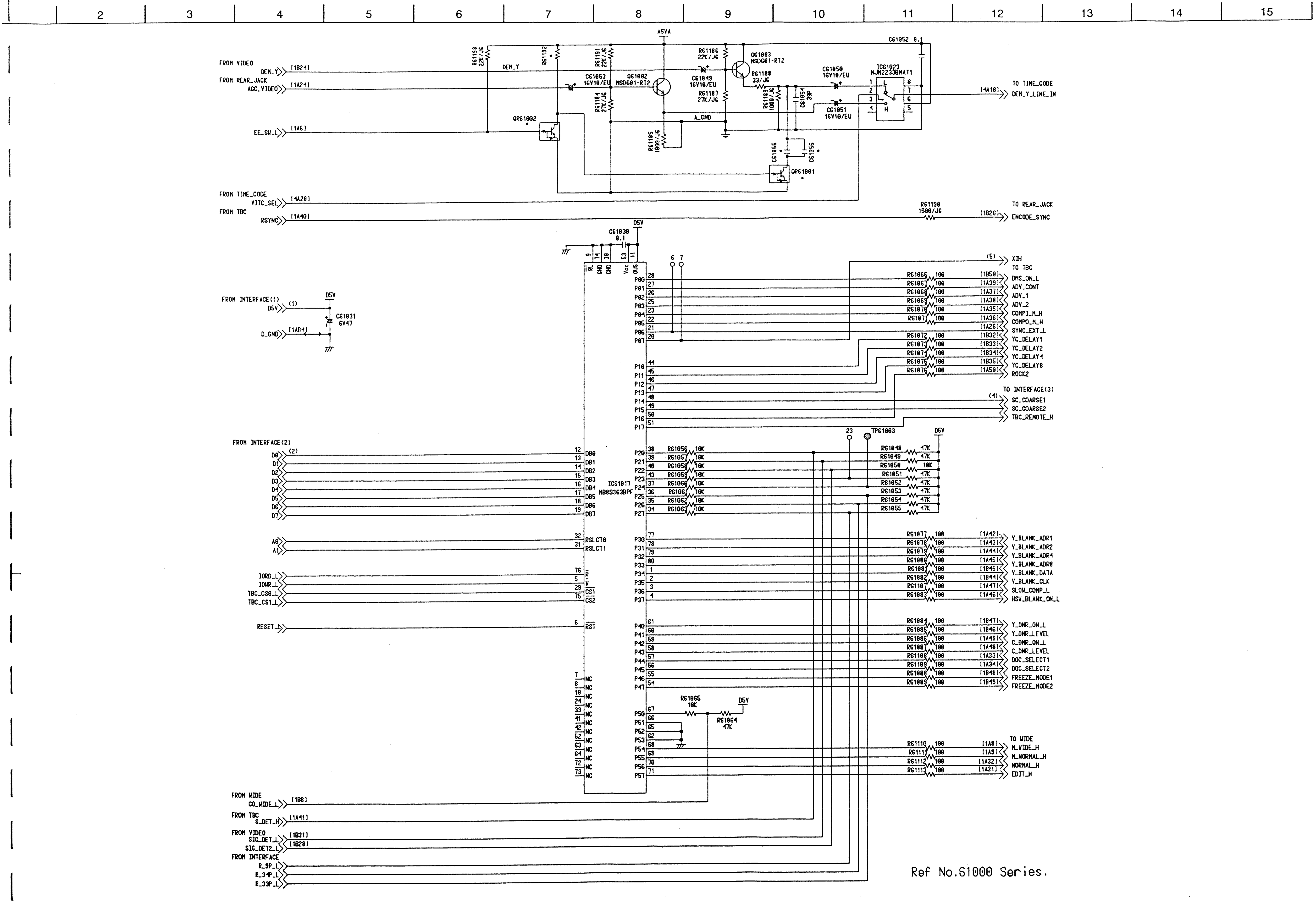
F
G
H
I
J
IC61013
MC74HC541AFR
IC61014
MC74HC245AFR
IC61015
MC74HC541AFR
IC61016
MC74HC138AFR
IC61009
TC7W04FTE12L
IC61008
TC7W08FTE12L
D5V
C61026 0.01
C61027 0.01
C61028 0.01
C61029 0.01
GND
R61040
R61041
R61042
R61043
R61044
R61045
R61046
R61047
R61114
R61115
R61116
R61117
R61118
R61119
R61120
R61121
10K
CTP61001
CTP61002
CTP61003
CTP61004
CTP61005
CTP61006
CTP61007
CTP61008
CTP61009
CTP61010
CTP61011
CTP61012
CTP61013
CTP61014
CTP61015
CTP61016
CTP61017
CTP61018
CTP61019
CTP61020
CTP61021
R61092
100
R61103
D_GND
A7L
A6L
A5L
A4L
A3L
A2L
A1L
A0L
D7L
D6L
D5L
D4L
D3L
D2L
D1L
D0L
TO INTERFACE(1)
IF_INT_L
TC_INT_L
WEL_L
OEL_L
CSL_L
TBC_CS0_L
TBC_CS1_L
DA_CS0_L
DA_CS1_L
RESET_L
A0
A1
IOWR_L
IORD_L
D0
D1
D2
D3
D4
D5
D6
D7
R_33P_L
R_34P_L
IFINT_L
TCINT_L
CONTROL_BUS(0:4)
ADDRESS_BUS(0:17)
DATA_BUS(0:7)
MEWR
MERD
IOWR
IORD
RESET_L
CTL_34P
+12V
FL61004
VLF0634-T
L61003
VLP0054
R61172
R61173
R61174
R61175
R61176
R61177
R61178
R61179
R61164
R61165
R61166
R61167
R61168
R61169
R61170
R61171
R61160
R61161
R61162
R61163
330/J6
P61003
VJS3406D824
1 D0
2 D1
3 D2
4 D3
5 D4
6 D5
7 D6
8 D7
9 A0
10 A1
11 RD(L)
12 WR(L)
13 CS0(L)
14 CS1(L)
15 CS2(L)
16 CS3(L)
17 D_GND
18 M12V
19 M5V
20 RESET(L)
21 CTL_34P
22 D_GND
23 R_34P(L)
24 R_33P(L)

Ref No.61000 Series.

FACE (3) SCHEMATIC DIAGRAM 3/6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FROM VIDEO
DEM_Y [1B24]
FROM REAR_JACK
AGC_VIDEO [1A24]
EE_SW_L [1A6]
FROM TIME_CODE
VITC_SEL [4A20]
FROM TBC
RSYNC [1A40]
A5VA
R61198 22K/J6
DEM_Y
R61192
R61191 22K/J6
R61184 27K/J6
C61053 16V10/EU
Q61002 MSD601-RT2
QR61002
R61185 1000/J6
A_GND
R61186 22K/J6
C61049 16V10/EU
R61187 27K/J6
Q61003 MSD601-RT2
R61188 33/J6
R61189 1000/J6
C61054 39P
C61050 16V10/EU
C61051 16V10/EU
C61055
C61056
QR61001
C61052 0.1
IC61023 NJM2233BMAT1
L
H
TO TIME_CODE
[4A18] DEM_Y_LINE_IN
R61190 1500/J6
TO REAR_JACK
[1B26] ENCODE_SYNC
D5V
C61030 0.1
9 74 30 53 11
RL GND GND Vcc OUS
6 7
FROM INTERFACE(1)
D5V (1)
D_GND [1AB4]
C61031 6V47
IC61017 MB89363BPF
P00 P01 P02 P03 P04 P05 P06 P07
P10 P11 P12 P13 P14 P15 P16 P17
P20 P21 P22 P23 P24 P25 P26 P27
P30 P31 P32 P33 P34 P35 P36 P37
P40 P41 P42 P43 P44 P45 P46 P47
P50 P51 P52 P53 P54 P55 P56 P57
(5) XIH
TO TBC
R61066 100 [1B50] DMS_ON_L
R61067 100 [1A39] ADV_CONT
R61068 100 [1A37] ADV_1
R61069 100 [1A38] ADV_2
R61070 100 [1A35] COMPI_M_H
R61071 100 [1A36] COMPO_M_H
[1A26] SYNC_EXT_L
R61072 100 [1B32] YC_DELAY1
R61073 100 [1B33] YC_DELAY2
R61074 100 [1B34] YC_DELAY4
R61075 100 [1B35] YC_DELAY8
R61076 100 [1A50] ROCK2
TO INTERFACE(3)
(4) SC_COARSE1
SC_COARSE2
TBC_REMOTE_H
23
TP61003
D5V
FROM INTERFACE(2)
(2)
D0 D1 D2 D3 D4 D5 D6 D7
DB0 DB1 DB2 DB3 DB4 DB5 DB6 DB7
R61056 10K
R61057 10K
R61058 10K
R61059 10K
R61060 10K
R61061 10K
R61062 10K
R61063 10K
R61048 47K
R61049 47K
R61050 10K
R61051 47K
R61052 47K
R61053 47K
R61054 47K
R61055 47K
A0 A1
RSLCT0 RSLCT1
IORD_L
IOWR_L
TBC_CS0_L
TBC_CS1_L
R W CS1 CS2
RESET_L
RST
NC
R61077 100 [1A42] Y_BLANK_ADR1
R61078 100 [1A43] Y_BLANK_ADR2
R61079 100 [1A44] Y_BLANK_ADR4
R61080 100 [1A45] Y_BLANK_ADR8
R61081 100 [1B45] Y_BLANK_DATA
R61082 100 [1B44] Y_BLANK_CLK
R61107 100 [1A47] SLOW_COMP_L
R61083 100 [1A46] HSW_BLANK_ON_L
R61084 100 [1B47] Y_DNR_ON_L
R61085 100 [1B46] Y_DNR_LEVEL
R61086 100 [1A49] C_DNR_ON_L
R61087 100 [1A48] C_DNR_LEVEL
R61108 100 [1A33] DOC_SELECT1
R61109 100 [1A34] DOC_SELECT2
R61088 100 [1B48] FREEZE_MODE1
R61089 100 [1B49] FREEZE_MODE2
R61065 10K
R61064 47K
D5V
TO WIDE
R61110 100 [1A8] M_WIDE_H
R61111 100 [1A9] M_NORMAL_H
R61112 100 [1A32] NORMAL_H
R61113 100 [1A31] EDIT_H
FROM WIDE
CO_WIDE_L [1B8]
FROM TBC
S_DET_H [1A41]
FROM VIDEO
SIG_DET_L [1B31]
SIG_DET2_L [1B28]
FROM INTERFACE
R_9P_L
R_34P_L
R_33P_L

Ref No.61000 Series.

INTERFACE (1)

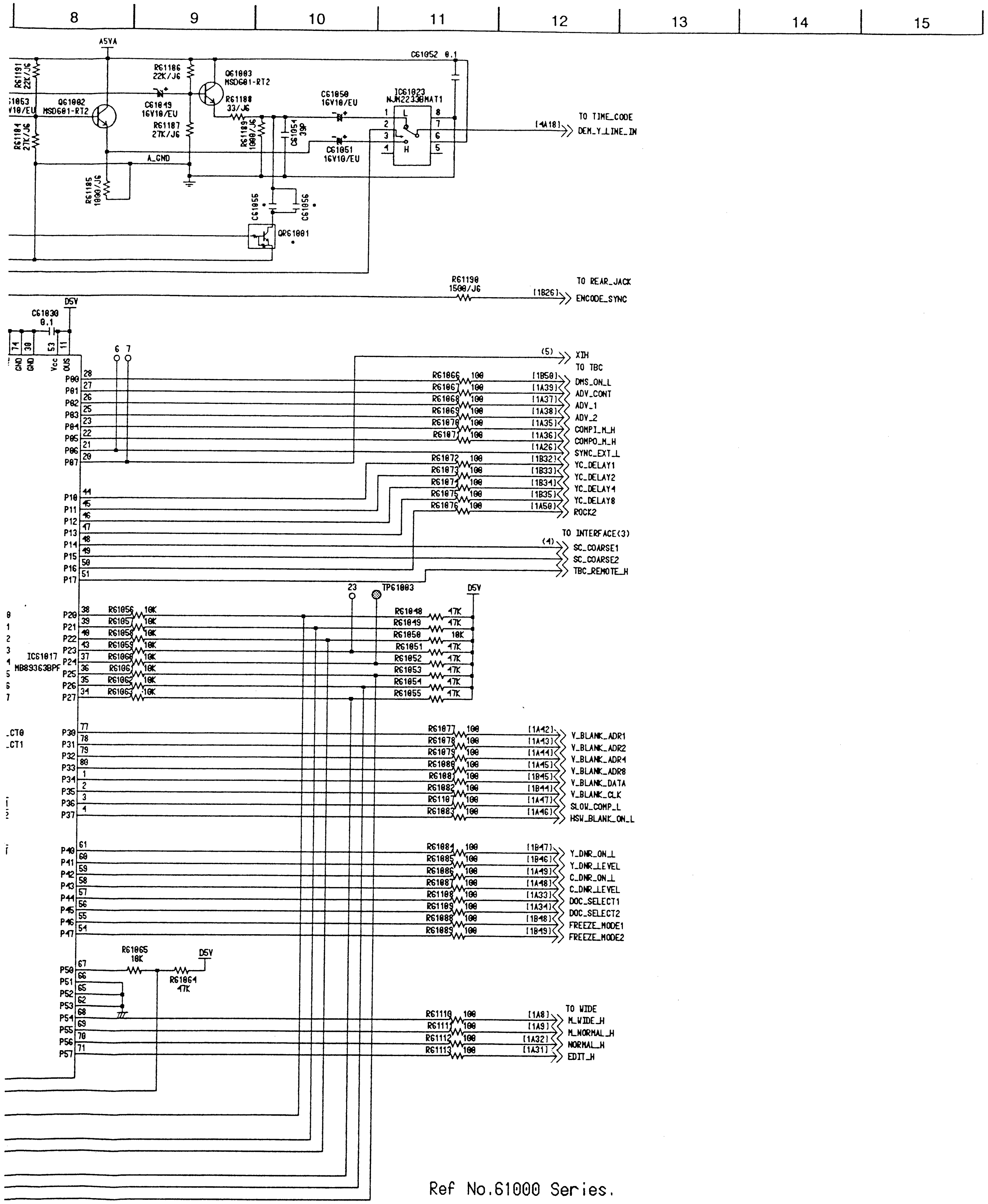
REF. NO. / MODE	1	2
PLAY	0.5	1.8
REC	0.5	1.8
REF. NO. / MODE	21	22
PLAY	1.1	2.1
REC	1.1	2.1
REF. NO. / MODE	1	2
PLAY	2.5	1.5
REC	2.5	1.5
REF. NO. / MODE	1	2
PLAY	2.4	5.1
REC	2.4	5.1
REF. NO. / MODE	1	2
PLAY	0	5.1
REC	0	5.1
REF. NO. / MODE	1	2
PLAY	2.8	0
REC	2.8	0
REF. NO. / MODE	1	2
PLAY	0	0
REC	0	0

INTERFACE (2)

REF. NO. / MODE	1	2
PLAY	2.8	0
REC	2.8	0

INTERFACE (3)

REF. NO. / MODE	1	2
PLAY	0	0
REC	0	0
REF. NO. / MODE	21	22
PLAY	5.1	5.1
REC	5.1	5.1
REF. NO. / MODE	41	42
PLAY	0	0
REC	0.1	0.1
REF. NO. / MODE	61	62
PLAY	5.1	0
REC	5.1	0
REF. NO. / MODE	1	2
PLAY	2.9	0
REC	2.9	0
REF. NO.	Q6100	
MODE	E	C
PLAY	1.9	4.9
REC	1.9	4.9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A5VA
R61191 22K/J6
Q61002 MSD601-RT2
R61184 27K/J6
R61186 22K/J6
C61049 16V10/EU
R61187 27K/J6
Q61003 MSD601-RT2
R61188 33/J6
R61189 1000/J6
C61054 39P
C61050 16V10/EU
C61051 16V10/EU
C61052 0.1
IC61023 NJM2233BMAT1
L
H
A_GND
R61185 1000/J6
C61055
C61056
QR61001
TO TIME_CODE
[4A18]
DEM_Y_LINE_IN
R61190 1500/J6
TO REAR_JACK
[1B26]
ENCODE_SYNC
D5V
C61030 0.1
GND
GND
Vcc
DVS
6
7
(5)
XIH
TO TBC
R61066 100 [1B50] DMS_ON_L
R61067 100 [1A39] ADV_CONT
R61068 100 [1A37] ADV_1
R61069 100 [1A38] ADV_2
R61070 100 [1A35] COMPI_M_H
R61071 100 [1A36] COMPO_M_H
[1A26] SYNC_EXT_L
R61072 100 [1B32] YC_DELAY1
R61073 100 [1B33] YC_DELAY2
R61074 100 [1B34] YC_DELAY4
R61075 100 [1B35] YC_DELAY8
R61076 100 [1A50] ROCK2
TO INTERFACE(3)
(4)
SC_COARSE1
SC_COARSE2
TBC_REMOTE_H
23
TP61003
IC61017
MB89363BPF
R61056 10K
R61057 10K
R61058 10K
R61059 10K
R61060 10K
R61061 10K
R61062 10K
R61063 10K
R61048 47K
R61049 47K
R61050 10K
R61051 47K
R61052 47K
R61053 47K
R61054 47K
R61055 47K
R61077 100 [1A42] V_BLANK_ADR1
R61078 100 [1A43] V_BLANK_ADR2
R61079 100 [1A44] V_BLANK_ADR4
R61080 100 [1A45] V_BLANK_ADR8
R61081 100 [1B45] V_BLANK_DATA
R61082 100 [1B44] V_BLANK_CLK
R61107 100 [1A47] SLOW_COMP_L
R61083 100 [1A46] HSW_BLANK_ON_L
R61084 100 [1B47] Y_DNR_ON_L
R61085 100 [1B46] Y_DNR_LEVEL
R61086 100 [1A49] C_DNR_ON_L
R61087 100 [1A48] C_DNR_LEVEL
R61108 100 [1A33] DOC_SELECT1
R61109 100 [1A34] DOC_SELECT2
R61088 100 [1B48] FREEZE_MODE1
R61089 100 [1B49] FREEZE_MODE2
R61065 10K
R61064 47K
TO WIDE
R61110 100 [1A8] M_WIDE_H
R61111 100 [1A9] M_NORMAL_H
R61112 100 [1A32] NORMAL_H
R61113 100 [1A31] EDIT_H
P00
P01
P02
P03
P04
P05
P06
P07
P10
P11
P12
P13
P14
P15
P16
P17
P20
P21
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P46
P47
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P57
_CT0
_CT1

Ref No.61000 Series.

INTERFACE (1)

REF. NO. / MODE	IC61002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0.5	1.8	2.6	1.8	3.0	1.5	1.8	2.7	2.7	2.7	2.3	2.8	2.1	0	3.1	2.0	2.7	2.1	2.2	0.5
REC	0.5	1.8	2.6	1.8	3.0	1.5	1.8	2.7	2.7	2.7	2.3	2.8	2.1	0	3.1	2.0	2.7	2.1	2.2	0.5
REF. NO.	IC61002																			
MODE	21	22	23	24	25	26	27	28												
PLAY	1.1	2.1	1.0	3.5	2.8	0.9	0.7	5.1												
REC	1.1	2.1	1.0	3.5	2.8	0.9	0.7	5.1												
REF. NO.	IC61003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
PLAY	2.5	1.5	1.8	2.8	2.7	2.7	5.1	0	5.1	5.1	5.0	2.3	2.8	2.1	3.1	3.0	1.7	5.1		
REC	2.5	1.5	1.8	2.7	2.7	2.7	5.1	0	5.1	5.1	5.0	2.3	2.9	2.1	3.1	3.0	1.7	5.1		
REF. NO.	IC61005																			
MODE	1	2	3	4	5	6	7	8												
PLAY	2.4	5.1	3.0	0	5.0	0.6	5.1	5.1												
REC	2.4	5.1	3.0	0	5.0	1.4	5.1	5.1												
REF. NO.	IC61006																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	5.1	5.1	0	5.1	0	5.1	0	5.1	0	5.0	5.1	5.1	5.1	0	5.1				
REC	0	5.1	5.1	0	5.1	0	5.1	0	5.1	0	5.0	5.1	5.1	5.1	0	5.1				
REF. NO.	IC61008																			
MODE	1	2	3	4	5	6	7	8												
PLAY	2.8	0	5.1	0	3.9	0.6	5.1	5.1												
REC	2.8	0	5.1	0	3.9	0.6	5.1	5.1												
REF. NO.	IC61011																Q61001			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	E	C	B	
PLAY	0	0	4.7	0	4.7	2.6	2.4	0	5.0	3.3	0.2	5.1	1.0	1.0	0	5.1	5.1	5.1	4.3	
REC	0	0	4.7	0	4.7	2.6	2.4	0	5.0	3.3	0.2	5.1	1.0	1.0	0	5.1	5.1	5.1	4.3	

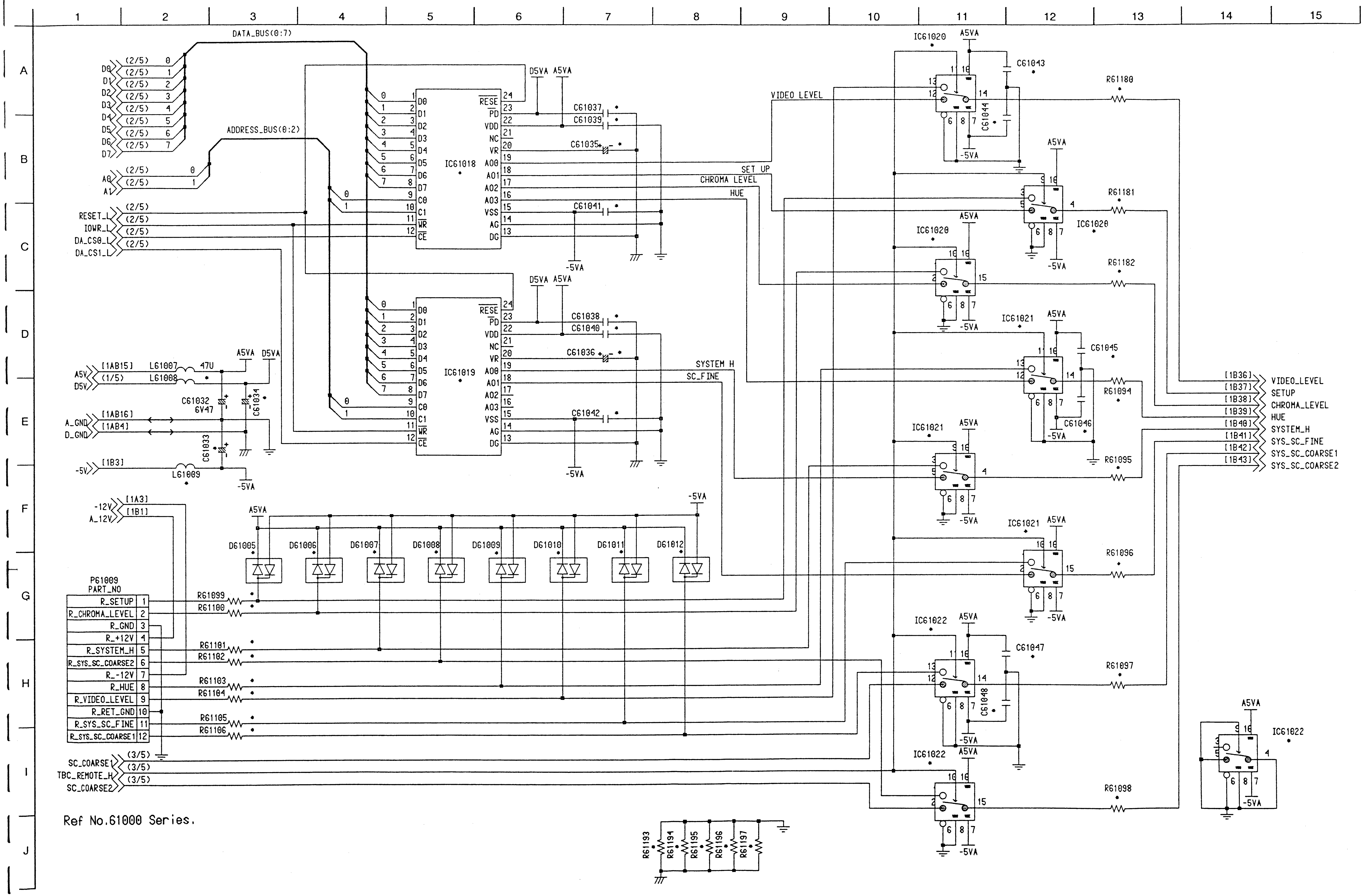
INTERFACE (2)

REF. NO. / MODE	IC61008							
MODE	1	2	3	4	5	6	7	8
PLAY	2.8	0	5.1	0	3.9	0.6	5.1	5.1
REC	2.8	0	5.1	0	3.9	0.6	5.1	5.1

INTERFACE (3)

REF. NO. / MODE	IC61017																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	0	0	5.1	5.1	5.0	0	0	0	0	5.1	2.3	2.9	2.2	3.1	2.1	2.8	2.1	2.2	0
REC	0	0	0	5.1	5.0	5.0	0	0	0	0	5.1	2.3	2.9	2.2	3.1	2.0	2.8	2.1	2.2	0
REF. NO.	IC61017																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	5.1	5.1	5.1	0	0	0	0	5.1	4.8	0	2.7	2.7	0	0	5.0	5.0	5.0	0.1	0	0.1
REC	5.1	5.1	5.1	0.1	5.1	5.1	0	5.1	4.8	0	2.7	2.7	0	0	5.0	5.0	5.0	0.1	0	0.1
REF. NO.	IC61017																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
PLAY	0	0	5.0	0	0	0	5.1	0	5.1	0	0	0	5.1	0	0	0	0	5.1	5.1	5.1
REC	0.1	0.1	4.9	0	0	0	5.1	0	5.1	0	0	0	5.1	0	0	0	0	5.1	5.1	5.1
REF. NO.	IC61017																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
PLAY	5.1	0	0	0	0	0	4.8	0	0	5.1	0	0	0	0	4.9	5.0	5.1	5.1	5.1	5.1
REC	5.1	0	0	0	0	0	4.8	0	0	5.1	0	0	0	0	4.9	5.0	5.1	5.1	5.1	0
REF. NO.	IC61023																			
MODE	1	2	3	4	5	6	7	8												
PLAY	2.9	0	2.9	0.2	0.2	4.9	2.1	0												
REC	2.9	0	2.9	0.2	0.2	4.9	2.1	0												
REF. NO.	Q61002			Q61003			QR61001			QR61002										
MODE	E	C	B	E	C	B	E	C	B	E	C	B								
PLAY	1.9	4.9	2.5	1.9	4.9	2.5	0	0.3	0	0	0	4.9								
REC	1.9	4.9	2.5	1.9	4.9	2.5	0	-0.2	2.5	0	2.5	0								

INTERFACE (4) SCHEMATIC DIAGRAM 4/6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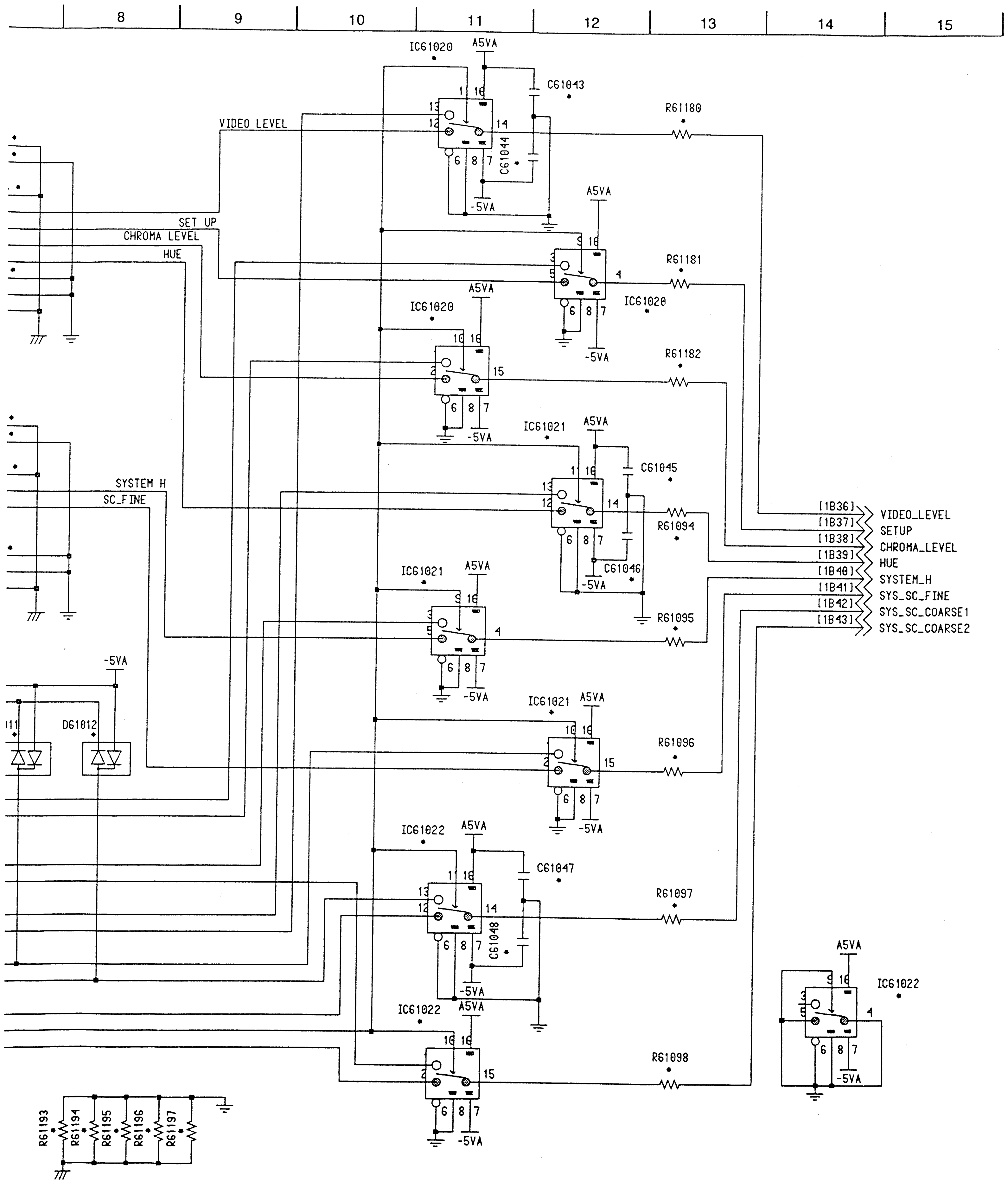
A
B
C
D
E
F
G
H
I
J
DATA_BUS(0:7)
ADDRESS_BUS(0:2)
D0
D1
D2
D3
D4
D5
D6
D7
(2/5)
A0
A1
RESET_L
IOWR_L
DA_CS0_L
DA_CS1_L
IC61018
IC61019
D0
D1
D2
D3
D4
D5
D6
D7
C0
C1
WR
CE
RESE
PD
VDD
NC
VR
A00
A01
A02
A03
VSS
AG
DG
D5VA
A5VA
-5VA
C61037
C61039
C61035
C61041
C61038
C61040
C61036
C61042
VIDEO LEVEL
SET UP
CHROMA LEVEL
HUE
SYSTEM H
SC_FINE
A5V
D5V
[1AB15]
(1/5)
L61007
L61008
47U
C61032
6V47
C61034
C61033
[1AB16]
[1AB4]
A_GND
D_GND
-5V
[1B3]
L61009
-12V
A_12V
[1A3]
[1B1]
D61005
D61006
D61007
D61008
D61009
D61010
D61011
D61012
P61009
PART_NO
R_SETUP 1
R_CHROMA_LEVEL 2
R_GND 3
R_+12V 4
R_SYSTEM_H 5
R_SYS_SC_COARSE2 6
R_-12V 7
R_HUE 8
R_VIDEO_LEVEL 9
R_RET_GND 10
R_SYS_SC_FINE 11
R_SYS_SC_COARSE1 12
R61099
R61100
R61101
R61102
R61103
R61104
R61105
R61106
SC_COARSE1
TBC_REMOTE_H
SC_COARSE2
(3/5)
IC61020
IC61021
IC61022
C61043
C61044
C61045
C61046
C61047
C61048
R61180
R61181
R61182
R61094
R61095
R61096
R61097
R61098
R61193
R61194
R61195
R61196
R61197
[1B36] VIDEO_LEVEL
[1B37] SETUP
[1B38] CHROMA_LEVEL
[1B39] HUE
[1B40] SYSTEM_H
[1B41] SYS_SC_FINE
[1B42] SYS_SC_COARSE1
[1B43] SYS_SC_COARSE2
Ref No.61000 Series.

INTERF

REF. NO. MODE
PLAY
REC
REF. NO. MODE
PLAY
REC
REF. NO. MODE
PLAY
REC
REF. NO. MODE
PLAY
REC
REF. NO. MODE
PLAY
REC
REF. NO. MODE
PLAY
REC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IC61020
A5VA
C61043
R61180
VIDEO LEVEL
C61044
-5VA
SET UP
CHROMA LEVEL
HUE
R61181
IC61020
R61182
IC61021
C61045
R61094
C61046
SYSTEM H
SC_FINE
R61095
-5VA
D61012
R61096
IC61022
C61047
R61097
C61048
R61098
IC61022
R61193
R61194
R61195
R61196
R61197
[1B36]
[1B37]
[1B38]
[1B39]
[1B40]
[1B41]
[1B42]
[1B43]
VIDEO_LEVEL
SETUP
CHROMA_LEVEL
HUE
SYSTEM_H
SYS_SC_FINE
SYS_SC_COARSE1
SYS_SC_COARSE2

INTERFACE (4)

REF. NO.	IC61018																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	2.3	2.9	2.2	3.1	2.1	2.8	2.1	2.2	2.7	2.7	5.0	5.1	0	0	–4.9	0	0	0	0	2.4
REC	2.3	2.9	2.2	3.1	2.1	2.8	2.1	2.2	2.7	2.7	5.0	5.1	0	0	–4.9	0	0	0	0	2.4

REF. NO.	IC61018																			
MODE	21	22	23	24																
PLAY	0.2	4.9	5.1	5.0																
REC	0.2	4.9	5.1	5.0																

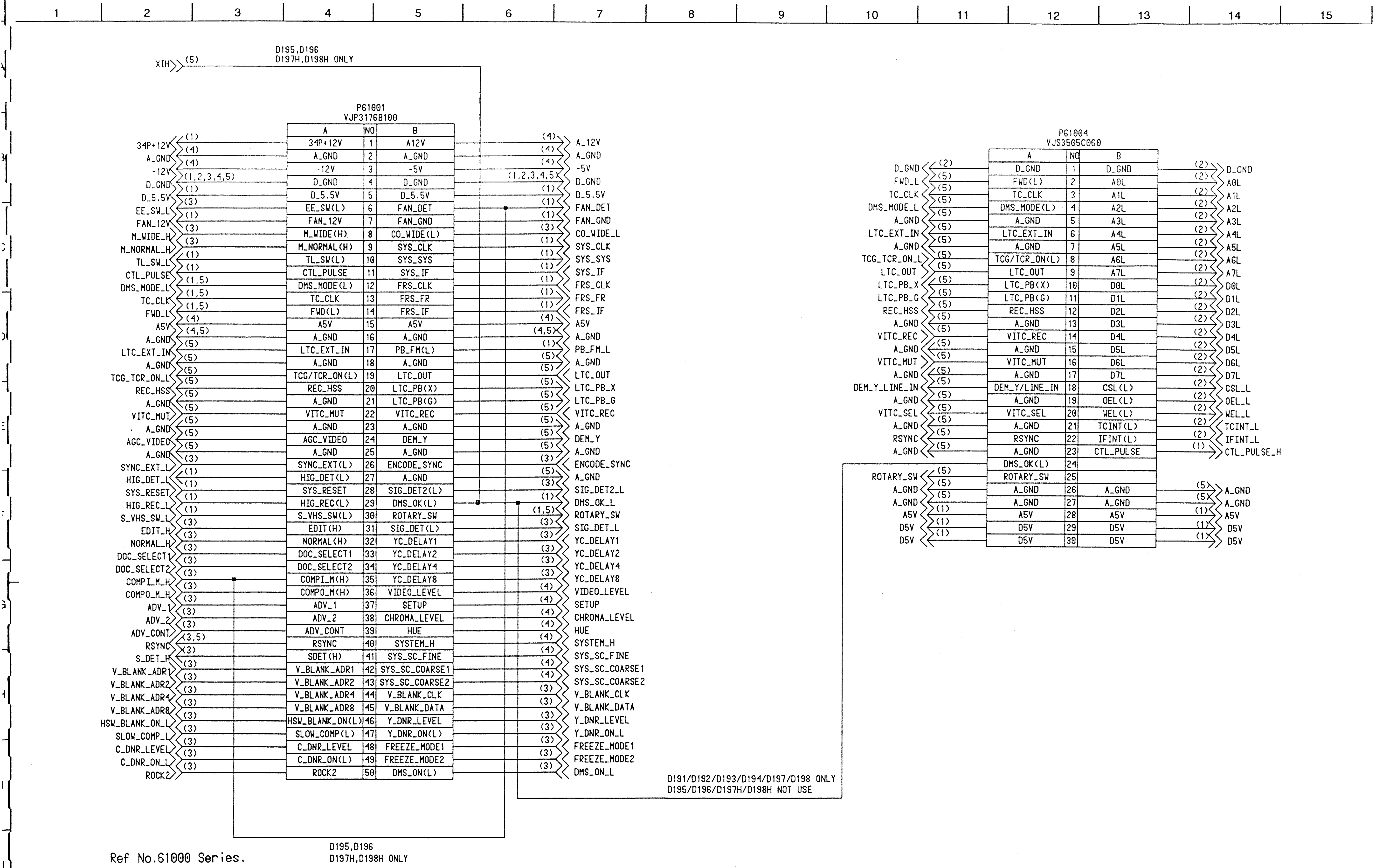
REF. NO.	IC61019																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	2.3	2.9	2.2	3.1	2.1	2.8	2.1	2.2	2.7	2.7	5.0	5.1	0	0	–4.9	0	0	0	0	2.4
REC	2.3	2.9	2.2	3.1	2.1	2.8	2.1	2.2	2.7	2.7	5.0	5.1	0	0	–4.9	0	0	0	0	2.4

REF. NO.	IC61019																			
MODE	1	2	3	4																
PLAY	0.2	4.9	5.1	5.0																
REC	0.2	4.9	5.0	5.0																

REF. NO.	IC61021																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0.1	0	0.1	0	0	0	–5.0	0	0	0	0	0	0.1	0	0	4.9				
REC	0.1	0	0.1	0	0	0	–5.0	0	0	0	0	0	0.1	0	0	4.9				

REF. NO.	IC61022																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0.4	5.1	0.1	0	0	0	–5.0	0	0	0	0	0	0.1	0	5.1	4.9				
REC	0.4	5.1	0.1	0	0	0	–5.0	0	0	0	0	0	0.1	0	5.1	4.9				

NTERFACE (5) SCHEMATIC DIAGRAM 5/6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XIH (5)
D195,D196
D197H,D198H ONLY
P61001
VJP3176B100
A NO B
34P+12V (1)
A_GND (4)
-12V (4)
D_GND (1,2,3,4,5)
D_5.5V (1)
EE_SW_L (3)
FAN_12V (1)
M_WIDE_H (3)
M_NORMAL_H (3)
TL_SW_L (1)
CTL_PULSE (1)
DMS_MODE_L (1,5)
TC_CLK (1,5)
FWD_L (1,5)
A5V (4)
A_GND (4,5)
LTC_EXT_IN (5)
A_GND (5)
TCG_TCR_ON_L (5)
REC_HSS (5)
A_GND (5)
VITC_MUT (5)
A_GND (5)
AGC_VIDEO (5)
A_GND (5)
SYNC_EXT_L (3)
HIG_DET_L (1)
SYS_RESET (1)
HIG_REC_L (1)
S_VHS_SW_L (1)
EDIT_H (3)
NORMAL_H (3)
DOC_SELECT1 (3)
DOC_SELECT2 (3)
COMPI_M_H (3)
COMPO_M_H (3)
ADV_1 (3)
ADV_2 (3)
ADV_CONT (3)
RSYNC (3,5)
S_DET_H (3)
V_BLANK_ADR1 (3)
V_BLANK_ADR2 (3)
V_BLANK_ADR4 (3)
V_BLANK_ADR8 (3)
HSW_BLANK_ON_L (3)
SLOW_COMP_L (3)
C_DNR_LEVEL (3)
C_DNR_ON_L (3)
ROCK2
34P+12V 1 A12V
A_GND 2 A_GND
-12V 3 -5V
D_GND 4 D_GND
D_5.5V 5 D_5.5V
EE_SW(L) 6 FAN_DET
FAN_12V 7 FAN_GND
M_WIDE(H) 8 CO_WIDE(L)
M_NORMAL(H) 9 SYS_CLK
TL_SW(L) 10 SYS_SYS
CTL_PULSE 11 SYS_IF
DMS_MODE(L) 12 FRS_CLK
TC_CLK 13 FRS_FR
FWD(L) 14 FRS_IF
A5V 15 A5V
A_GND 16 A_GND
LTC_EXT_IN 17 PB_FM(L)
A_GND 18 A_GND
TCG/TCR_ON(L) 19 LTC_OUT
REC_HSS 20 LTC_PB(X)
A_GND 21 LTC_PB(G)
VITC_MUT 22 VITC_REC
A_GND 23 A_GND
AGC_VIDEO 24 DEM_Y
A_GND 25 A_GND
SYNC_EXT(L) 26 ENCODE_SYNC
HIG_DET(L) 27 A_GND
SYS_RESET 28 SIG_DET2(L)
HIG_REC(L) 29 DMS_OK(L)
S_VHS_SW(L) 30 ROTARY_SW
EDIT(H) 31 SIG_DET(L)
NORMAL(H) 32 YC_DELAY1
DOC_SELECT1 33 YC_DELAY2
DOC_SELECT2 34 YC_DELAY4
COMPI_M(H) 35 YC_DELAY8
COMPO_M(H) 36 VIDEO_LEVEL
ADV_1 37 SETUP
ADV_2 38 CHROMA_LEVEL
ADV_CONT 39 HUE
RSYNC 40 SYSTEM_H
SDET(H) 41 SYS_SC_FINE
V_BLANK_ADR1 42 SYS_SC_COARSE1
V_BLANK_ADR2 43 SYS_SC_COARSE2
V_BLANK_ADR4 44 V_BLANK_CLK
V_BLANK_ADR8 45 V_BLANK_DATA
HSW_BLANK_ON(L) 46 Y_DNR_LEVEL
SLOW_COMP(L) 47 Y_DNR_ON(L)
C_DNR_LEVEL 48 FREEZE_MODE1
C_DNR_ON(L) 49 FREEZE_MODE2
ROCK2 50 DMS_ON(L)
(4) A_12V
(4) A_GND
(4) -5V
(1,2,3,4,5) D_GND
(1) D_5.5V
(1) FAN_DET
(1) FAN_GND
(3) CO_WIDE_L
(1) SYS_CLK
(1) SYS_SYS
(1) SYS_IF
(1) FRS_CLK
(1) FRS_FR
(1) FRS_IF
(4) A5V
(4,5) A_GND
(1) PB_FM_L
(5) A_GND
(5) LTC_OUT
(5) LTC_PB_X
(5) LTC_PB_G
(5) VITC_REC
(5) A_GND
(5) DEM_Y
(5) A_GND
(3) ENCODE_SYNC
(5) A_GND
(3) SIG_DET2_L
(1) DMS_OK_L
(1,5) ROTARY_SW
(3) SIG_DET_L
(3) YC_DELAY1
(3) YC_DELAY2
(3) YC_DELAY4
(3) YC_DELAY8
(4) VIDEO_LEVEL
(4) SETUP
(4) CHROMA_LEVEL
(4) HUE
(4) SYSTEM_H
(4) SYS_SC_FINE
(4) SYS_SC_COARSE1
(4) SYS_SC_COARSE2
(3) V_BLANK_CLK
(3) V_BLANK_DATA
(3) Y_DNR_LEVEL
(3) Y_DNR_ON_L
(3) FREEZE_MODE1
(3) FREEZE_MODE2
(3) DMS_ON_L
D191/D192/D193/D194/D197/D198 ONLY
D195/D196/D197H/D198H NOT USE
D195,D196
D197H,D198H ONLY
Ref No.61000 Series.
P61004
VJS3505C060
A NO B
D_GND (2)
FWD_L (5)
TC_CLK (5)
DMS_MODE_L (5)
A_GND (5)
LTC_EXT_IN (5)
A_GND (5)
TCG_TCR_ON_L (5)
LTC_OUT (5)
LTC_PB_X (5)
LTC_PB_G (5)
REC_HSS (5)
A_GND (5)
VITC_REC (5)
A_GND (5)
VITC_MUT (5)
A_GND (5)
DEM_Y_LINE_IN (5)
A_GND (5)
VITC_SEL (5)
A_GND (5)
RSYNC (5)
A_GND (5)
ROTARY_SW (5)
A_GND (5)
A_GND (5)
A5V (1)
D5V (1)
D5V (1)
D_GND 1 D_GND
FWD(L) 2 A0L
TC_CLK 3 A1L
DMS_MODE(L) 4 A2L
A_GND 5 A3L
LTC_EXT_IN 6 A4L
A_GND 7 A5L
TCG/TCR_ON(L) 8 A6L
LTC_OUT 9 A7L
LTC_PB(X) 10 D0L
LTC_PB(G) 11 D1L
REC_HSS 12 D2L
A_GND 13 D3L
VITC_REC 14 D4L
A_GND 15 D5L
VITC_MUT 16 D6L
A_GND 17 D7L
DEM_Y/LINE_IN 18 CSL(L)
A_GND 19 OEL(L)
VITC_SEL 20 WEL(L)
A_GND 21 TCINT(L)
RSYNC 22 IFINT(L)
A_GND 23 CTL_PULSE
DMS_OK(L) 24
ROTARY_SW 25
A_GND 26 A_GND
A_GND 27 A_GND
A5V 28 A5V
D5V 29 D5V
D5V 30 D5V
(2) D_GND
(2) A0L
(2) A1L
(2) A2L
(2) A3L
(2) A4L
(2) A5L
(2) A6L
(2) A7L
(2) D0L
(2) D1L
(2) D2L
(2) D3L
(2) D4L
(2) D5L
(2) D6L
(2) D7L
(2) CSL_L
(2) OEL_L
(2) WEL_L
(2) TCINT_L
(2) IFINT_L
(1) CTL_PULSE_H
(5) A_GND
(5) A_GND
(1) A5V
(1) D5V
(1) D5V

INTERF

REF
C61033
C61034
C61035
C61036
C61037
C61038
C61039
C61040
C61041
C61042
C61043
C61044
C61045
C61046
C61047
C61048
C61055
C61056
D61005
D61006
D61007
D61008
D61009
D61010
D61011
D61012
IC61002
IC61018
IC61019
IC61020
IC61021
IC61022
L61008
L61009
P61009
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R61095
R61096
R61097
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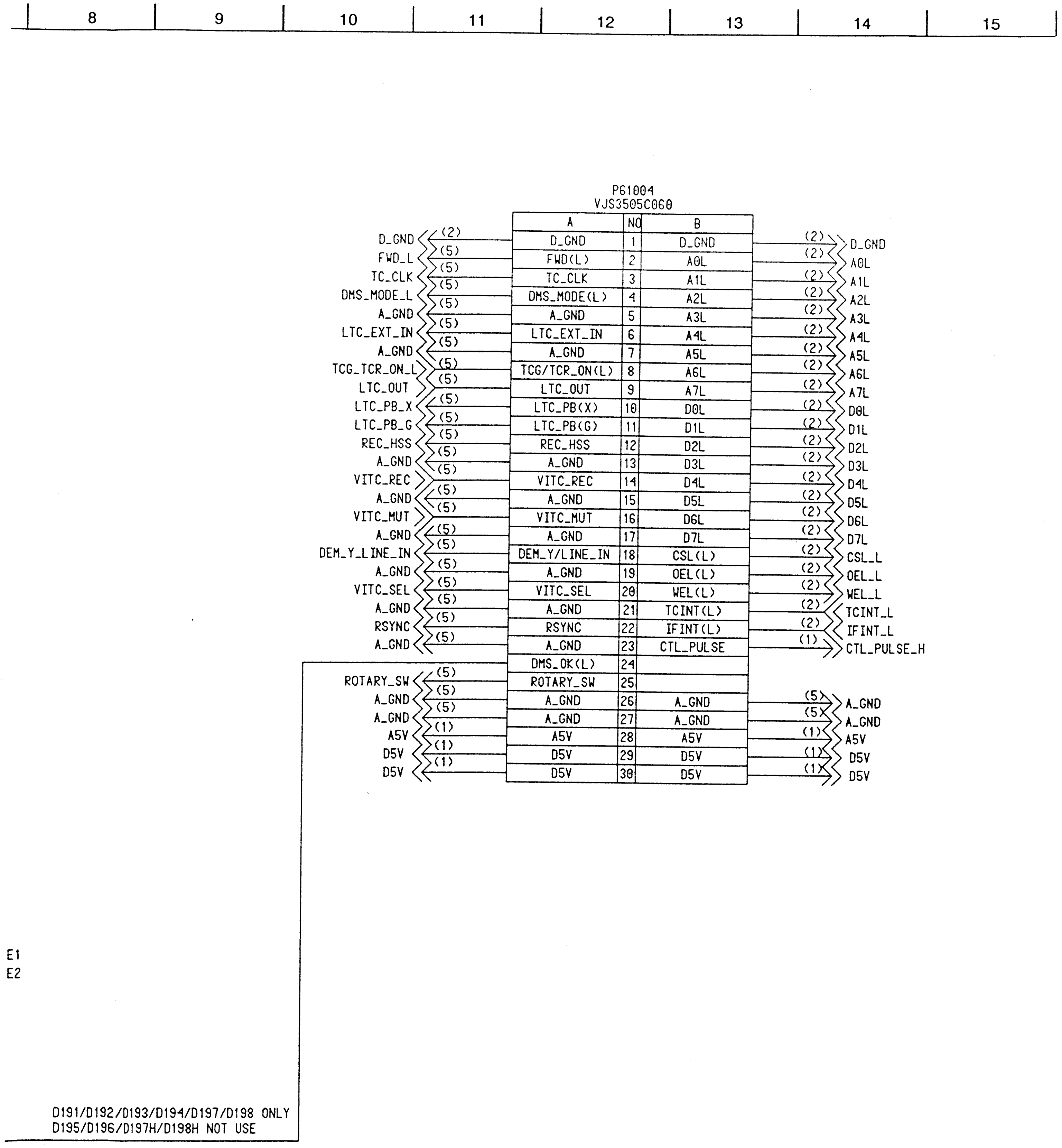
R61099
R61100
R61101
R61102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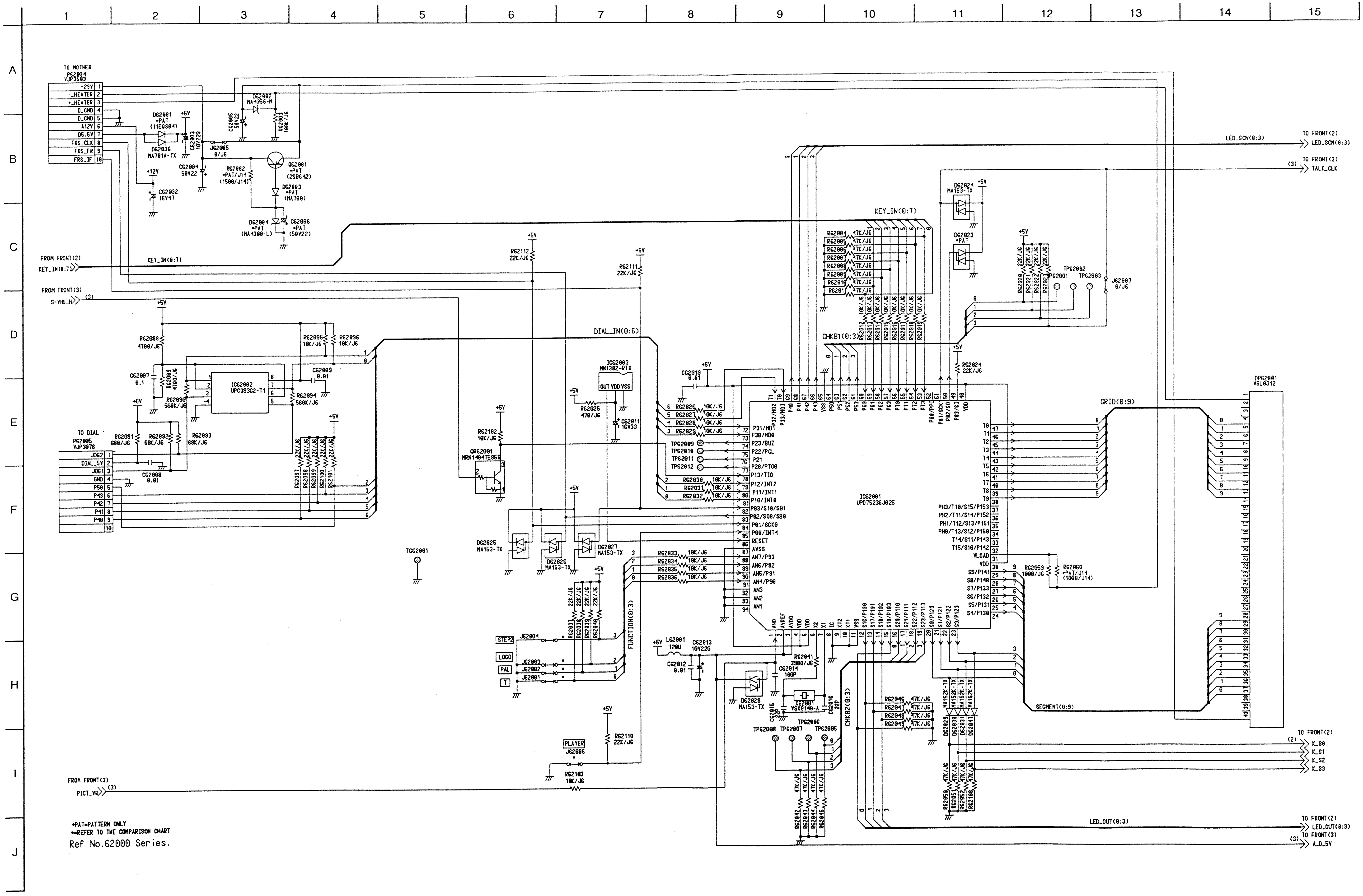
P61004
VJS3505C060
A
NO
B
D_GND 1 D_GND
FWD(L) 2 A0L
TC_CLK 3 A1L
DMS_MODE(L) 4 A2L
A_GND 5 A3L
LTC_EXT_IN 6 A4L
A_GND 7 A5L
TCG/TCR_ON(L) 8 A6L
LTC_OUT 9 A7L
LTC_PB(X) 10 D0L
LTC_PB(G) 11 D1L
REC_HSS 12 D2L
A_GND 13 D3L
VITC_REC 14 D4L
A_GND 15 D5L
VITC_MUT 16 D6L
A_GND 17 D7L
DEM_Y/LINE_IN 18 CSL(L)
A_GND 19 OEL(L)
VITC_SEL 20 WEL(L)
A_GND 21 TCINT(L)
RSYNC 22 IFINT(L)
A_GND 23 CTL_PULSE
DMS_OK(L) 24
ROTARY_SW 25
A_GND 26 A_GND
A_GND 27 A_GND
A5V 28 A5V
D5V 29 D5V
D5V 30 D5V
D_GND (2)
FWD_L (5)
TC_CLK (5)
DMS_MODE_L (5)
A_GND (5)
LTC_EXT_IN (5)
A_GND (5)
TCG_TCR_ON_L (5)
LTC_OUT (5)
LTC_PB_X (5)
LTC_PB_G (5)
REC_HSS (5)
A_GND (5)
VITC_REC (5)
A_GND (5)
VITC_MUT (5)
A_GND (5)
DEM_Y_LINE_IN (5)
A_GND (5)
VITC_SEL (5)
A_GND (5)
RSYNC (5)
A_GND (5)
ROTARY_SW (5)
A_GND (5)
A_GND (5)
A5V (1)
D5V (1)
D5V (1)
(2) D_GND
(2) A0L
(2) A1L
(2) A2L
(2) A3L
(2) A4L
(2) A5L
(2) A6L
(2) A7L
(2) D0L
(2) D1L
(2) D2L
(2) D3L
(2) D4L
(2) D5L
(2) D6L
(2) D7L
(2) CSL_L
(2) OEL_L
(2) WEL_L
(2) TCINT_L
(2) IFINT_L
(1) CTL_PULSE_H
(5) A_GND
(5) A_GND
(1) A5V
(1) D5V
(1) D5V
E1
E2
D191/D192/D193/D194/D197/D198 ONLY
D195/D196/D197H/D198H NOT USE

INTERFACE COMPARISON CHART 6/6

REF	DS555/DS545
C61033	6V47
C61034	6V47
C61035	50V1
C61036	50V1
C61037	0.01/UFN
C61038	0.01/UFN
C61039	0.01/UFN
C61040	0.01/UFN
C61041	0.01/UFN
C61042	0.01/UFN
C61043	0.01/UFN
C61044	0.01/UFN
C61045	0.01/UFN
C61046	0.01/UFN
C61047	0.01/UFN
C61048	0.01/UFN
C61055	*PAT
C61056	*PAT
D61005	MA153-TX
D61006	MA153-TX
D61007	MA153-TX
D61008	MA153-TX
D61009	MA153-TX
D61010	MA153-TX
D61011	MA153-TX
D61012	MA153-TX
IC61002	VSI2392
IC61018	MB86023PF
IC61019	MB86023PF
IC61020	MC74HC4053FR
IC61021	MC74HC4053FR
IC61022	MC74HC4053FR
L61008	47U
L61009	47U
P61009	VJP3092
QR61001	*PAT
QR61002	*PAT
R61094	100/J6
R61095	100/J6
R61096	100/J6
R61097	100/J6
R61098	100/J6
R61099	100/J6
R61100	100/J6
R61101	100/J6
R61102	100/J6
R61103	100/J6
R61104	100/J6
R61105	100/J6
R61106	100/J6
R61126	*PAT/J6
R61180	100/J6
R61181	100/J6
R61182	100/J6
R61183	*PAT/J6
R61192	*PAT/J6
R61193	*PAT/J6
R61194	*PAT/J6
R61195	*PAT/J6
R61196	*PAT/J6
R61197	*PAT/J6

FRONT (1) SCHEMATIC DIAGRAM 1/5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A
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C
D
E
F
G
H
I
J
TO MOTHER
PG2004
VJP3583
-29V
-_HEATER
+_HEATER
D_GND
A12V
D5.5V
FRS_CLK
FRS_FR
FRS_IF
D62001
D62002
D62003
D62004
D62036
MA701A-TX
Q62001
(2SB642)
+12V
C62002
16V47
FROM FRONT(2)
KEY_IN(0:7)
FROM FRONT(3)
S-VHS_H
+5V
IC62002
UPC393G2-T1
TO DIAL
PG2005
VJP3078
JOG2
DIAL_5V
JOG1
GND
P50
P43
P42
P41
P40
DIAL_IN(0:6)
IC62003
MN1382-RTX
QR62001
MRN1404TE85R
D62025
MA153-TX
D62026
MA153-TX
D62027
MA153-TX
TG62001
FUNCTION(0:3)
STEP2
LOGO
PAL
T
PLAYER
FROM FRONT(3)
PICT_VR
IC62001
UPD75236J025
KEY_IN(0:7)
CHKB1(0:3)
CHKB2(0:3)
GRID(0:9)
SEGMENT(0:9)
DP62001
VSL0312
X62001
VSX0140-A
L62001
D62028
MA153-TX
TO FRONT(2)
LED_SCN(0:3)
TO FRONT(3)
TALK_CLK
TO FRONT(2)
K_S0
K_S1
K_S2
K_S3
LED_OUT(0:3)
TO FRONT(2)
LED_OUT(0:3)
TO FRONT(3)
A_D_5V

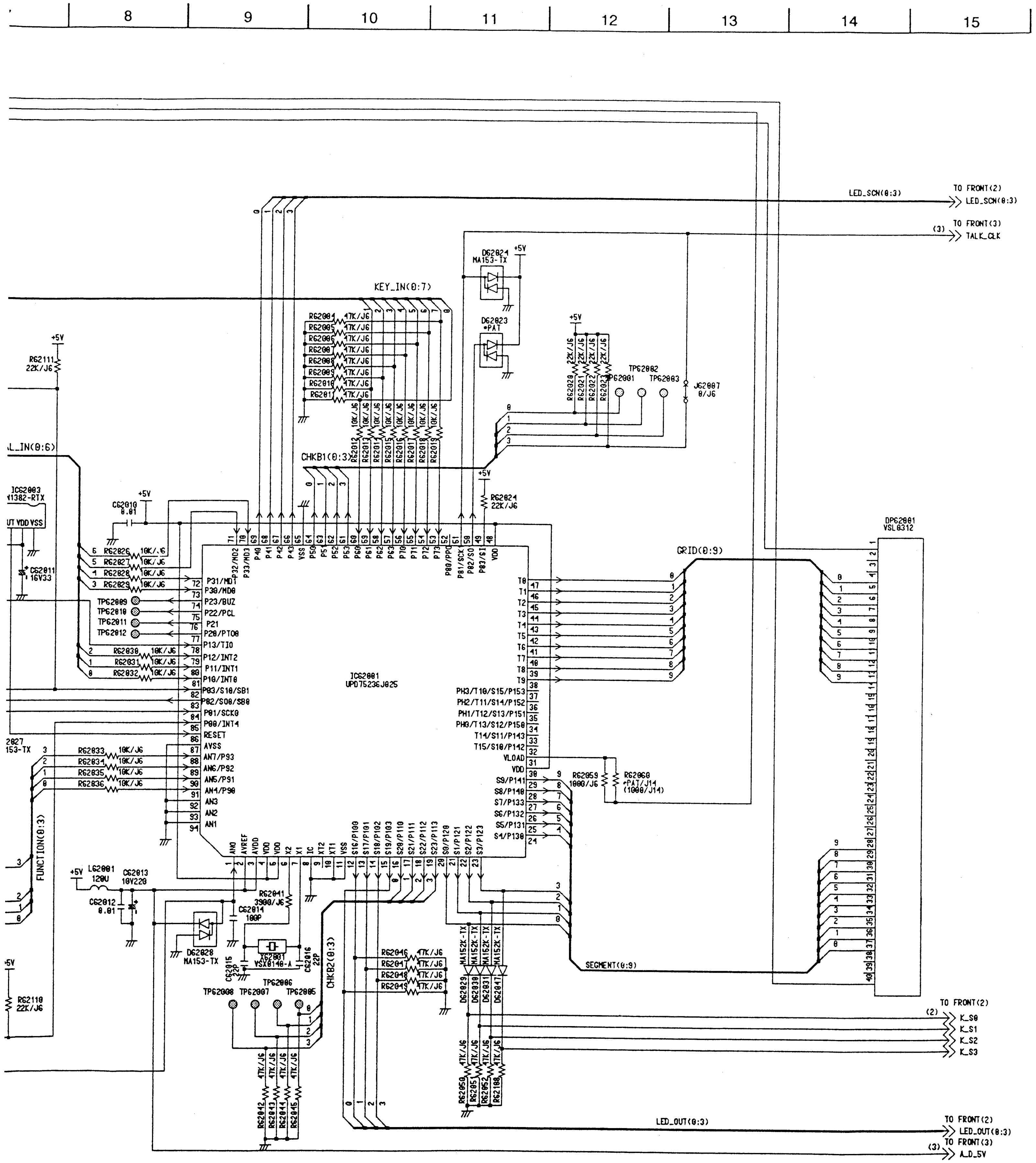
*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.62000 Series.

FRONT

REF. N MODE
STOP
REC
REF. N MODE
STOP
REC
REF. N MODE
STOP
REC
REF. N MODE
STOP
REC
REF. N MODE
STOP
REC
REF. N MODE
STOP
REC

FRONT

REF. N MODE
STOP
REC
REF. N MODE
STOP
REC


8
9
10
11
12
13
14
15
LED_SCN(0:3)
TO FRONT(2)
LED_SCN(0:3)
TO FRONT(3)
TALK_CLK
KEY_IN(0:7)
D62024
MA153-TX
D62023
*PAT
+5V
TP62002
TP62001
TP62003
JG62007
0/J6
CHKB1(0:3)
R62111
22K/J6
IC62003
AL_IN(0:6)
C62010
0.01
R62024
22K/J6
DP62001
VSL0312
GRID(0:9)
IC62001
UPD75236J025
TP62009
TP62010
TP62011
TP62012
R62059
1000/J6
R62060
*PAT/J14
(1000/J14)
FUNCTION(0:3)
L62001
C62013
C62012
0.01
C62011
16V33
R62041
3900/J6
C62014
100P
D62028
MA153-TX
X62001
VSX0140-A
C62015
C62016
22P
CHKB2(0:3)
TP62006
TP62008
TP62007
TP62005
SEGMENT(0:9)
D62029
D62030
D62031
D62047
TO FRONT(2)
K_S0
K_S1
K_S2
K_S3
R62110
22K/J6
LED_OUT(0:3)
TO FRONT(2)
LED_OUT(0:3)
TO FRONT(3)
A_D_5V

FRONT (1)

REF. NO. / MODE	IC62001																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	2.1	5.1	5.1	5.1	5.1	2.6	2.5	0	5.2	0	0	0	0	0	0	0	0	0	0	–28.7
REC	2.0	5.1	5.1	5.1	5.1	2.6	2.5	0	5.1	0	0	0	1.2	0	1.2	0	0	0	0	–9.1

REF. NO. / MODE	IC62001																			
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	–28.7	–28.7	–28.7	–28.7	–28.7	–28.7	–28.7	–28.7	–0.1	5.2	–29.0	0	0	0	0	0	0	–28.9	–28.9	–28.9
REC	–9.3	–8.7	–12.1	–13.8	–13.7	–16.1	–26.4	–18.0	–3.3	–5.1	–26.7	0	0	0	0	0	0	–24.1	–24.0	–24.0

REF. NO. / MODE	IC62001																			
	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	–28.9	–28.9	–28.9	–28.9	–28.9	–28.9	–28.9	5.2	5.1	0	0	5.2	0	0	0	0	0	0	0	0
REC	–24.0	–24.0	–24.0	–24.0	–23.8	–23.8	–24.3	5.1	5.1	1.0	4.7	5.1	0	2.4	0	0	0	0	0	0

REF. NO. / MODE	IC62001																			
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0	0	0	0	0	0.2	0.1	0.1	0.1	5.1	5.1	0	5.1	0	0	0	0	0	0	0
REC	4.7	0	0	0	0	3.8	3.8	3.8	3.8	5.1	0	0	5.1	0	2.5	0	0	0	0	0

REF. NO. / MODE	IC62001																			
	81	82	83	84	85	86	87	88	89	90	91	92	93	94						
STOP	0	0	0	0	5.2	5.2	0	5.1	5.1	5.1	5.1	0	0	0						
REC	0	5.1	3.8	5.1	5.1	5.1	0	5.1	5.1	5.1	5.1	0	0	0						

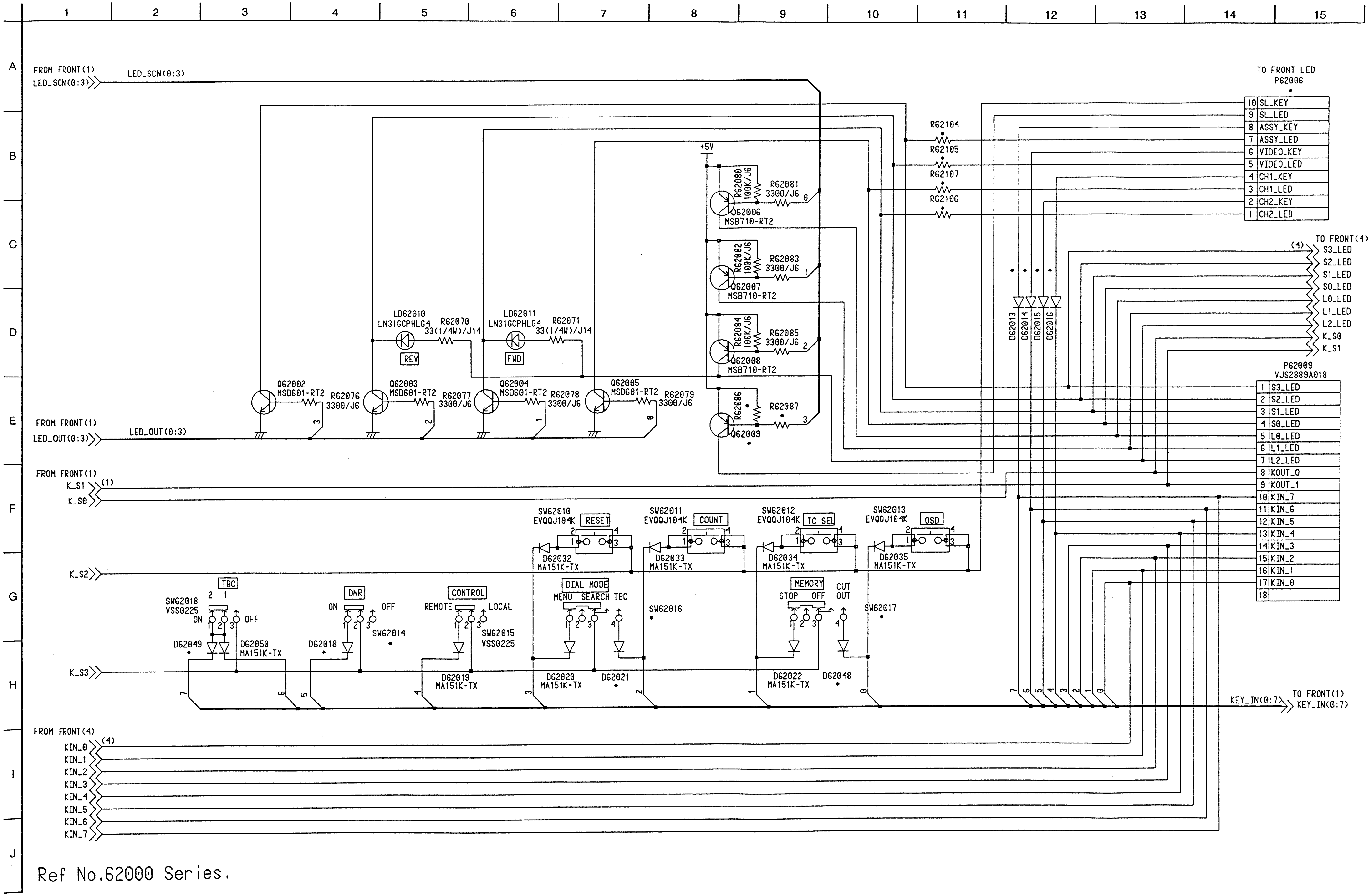
REF. NO. / MODE	IC62002								IC62003			QR62001								
	1	2	3	4	5	6	7	8	1	2	3	E	C	B						
STOP	0	2.5	0.2	0	4.6	2.5	5.1	5.1	5.1	5.1	0	0	0	4.6						
REC	0	2.5	0.2	0	4.6	2.5	5.1	5.1	5.1	5.1	0	0	0	4.6						

FRONT (2)

REF. NO. / MODE	Q62002			Q62003			Q62004			Q62005			Q62006			Q62007				
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	0	2.9	0.2	0	3.8	0	0	3.7	0	0	3.5	0	5.1	3.0	4.9	5.1	2.9	4.9		
REC	0	3.7	0	0	2.8	0.2	0	3.7	0	0	2.5	0.2	5.1	2.1	4.9	5.1	2.8	4.9		

REF. NO. / MODE	Q62008			Q62009																
	E	C	B	E	C	B														
STOP	5.2	2.8	4.9	5.1	2.1	4.9														
REC	5.1	2.8	4.9	5.1	2.0	4.9														

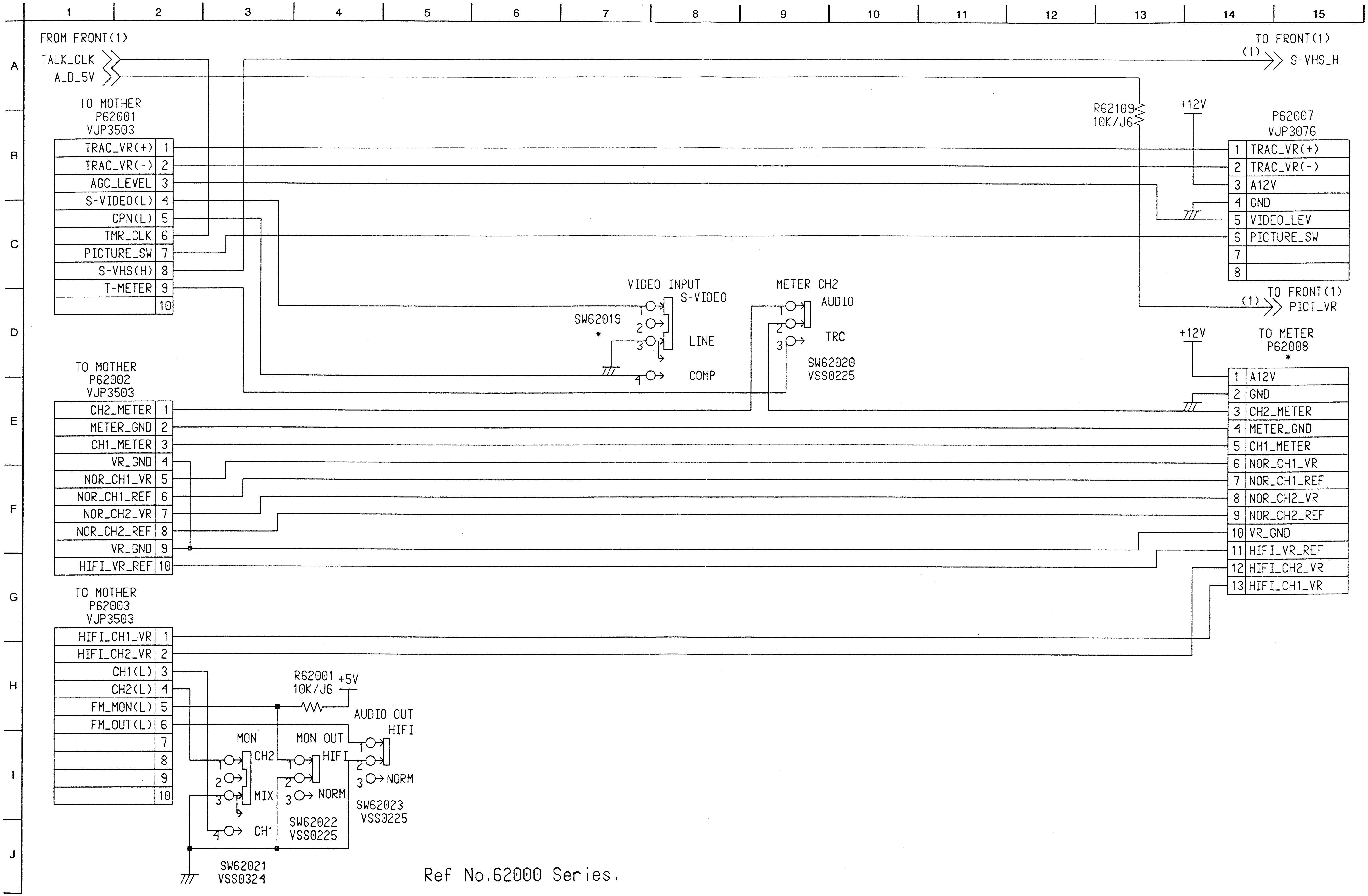
FRONT (2) SCHEMATIC DIAGRAM 2/5



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J
FROM FRONT(1)
LED_SCN(0:3)
LED_SCN(0:3)
TO FRONT LED
P62006
10 SL_KEY
9 SL_LED
8 ASSY_KEY
7 ASSY_LED
6 VIDEO_KEY
5 VIDEO_LED
4 CH1_KEY
3 CH1_LED
2 CH2_KEY
1 CH2_LED
R62104
R62105
R62107
R62106
+5V
R62080 100K/J6
R62081 3300/J6
Q62006 MSB710-RT2
R62082 100K/J6
R62083 3300/J6
Q62007 MSB710-RT2
R62084 100K/J6
R62085 3300/J6
Q62008 MSB710-RT2
R62086
R62087
Q62009
TO FRONT(4)
(4)
S3_LED
S2_LED
S1_LED
S0_LED
L0_LED
L1_LED
L2_LED
K_S0
K_S1
D62013
D62014
D62015
D62016
LD62010 LN31GCPHLG4
R62070 33(1/4W)/J14
REV
LD62011 LN31GCPHLG4
R62071 33(1/4W)/J14
FWD
Q62002 MSD601-RT2
R62076 3300/J6
Q62003 MSD601-RT2
R62077 3300/J6
Q62004 MSD601-RT2
R62078 3300/J6
Q62005 MSD601-RT2
R62079 3300/J6
P62009
VJS2889A018
1 S3_LED
2 S2_LED
3 S1_LED
4 S0_LED
5 L0_LED
6 L1_LED
7 L2_LED
8 KOUT_0
9 KOUT_1
10 KIN_7
11 KIN_6
12 KIN_5
13 KIN_4
14 KIN_3
15 KIN_2
16 KIN_1
17 KIN_0
18
FROM FRONT(1)
LED_OUT(0:3)
LED_OUT(0:3)
FROM FRONT(1)
K_S1
(1)
K_S0
SW62010 EVQQJ104K
RESET
D62032 MA151K-TX
SW62011 EVQQJ104K
COUNT
D62033 MA151K-TX
SW62012 EVQQJ104K
TC SEL
D62034 MA151K-TX
SW62013 EVQQJ104K
OSD
D62035 MA151K-TX
K_S2
TBC
SW62018 VSS0225
ON OFF
D62049
D62050 MA151K-TX
DNR
ON OFF
SW62014
D62018
CONTROL
REMOTE LOCAL
SW62015 VSS0225
D62019 MA151K-TX
DIAL MODE
MENU SEARCH TBC
D62020 MA151K-TX
D62021
SW62016
MEMORY
STOP OFF
CUT OUT
D62022 MA151K-TX
D62048
SW62017
K_S3
KEY_IN(0:7)
TO FRONT(1)
KEY_IN(0:7)
FROM FRONT(4)
(4)
KIN_0
KIN_1
KIN_2
KIN_3
KIN_4
KIN_5
KIN_6
KIN_7

Ref No.62000 Series.

FRONT (3) SCHEMATIC DIAGRAM 3/5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A
B
C
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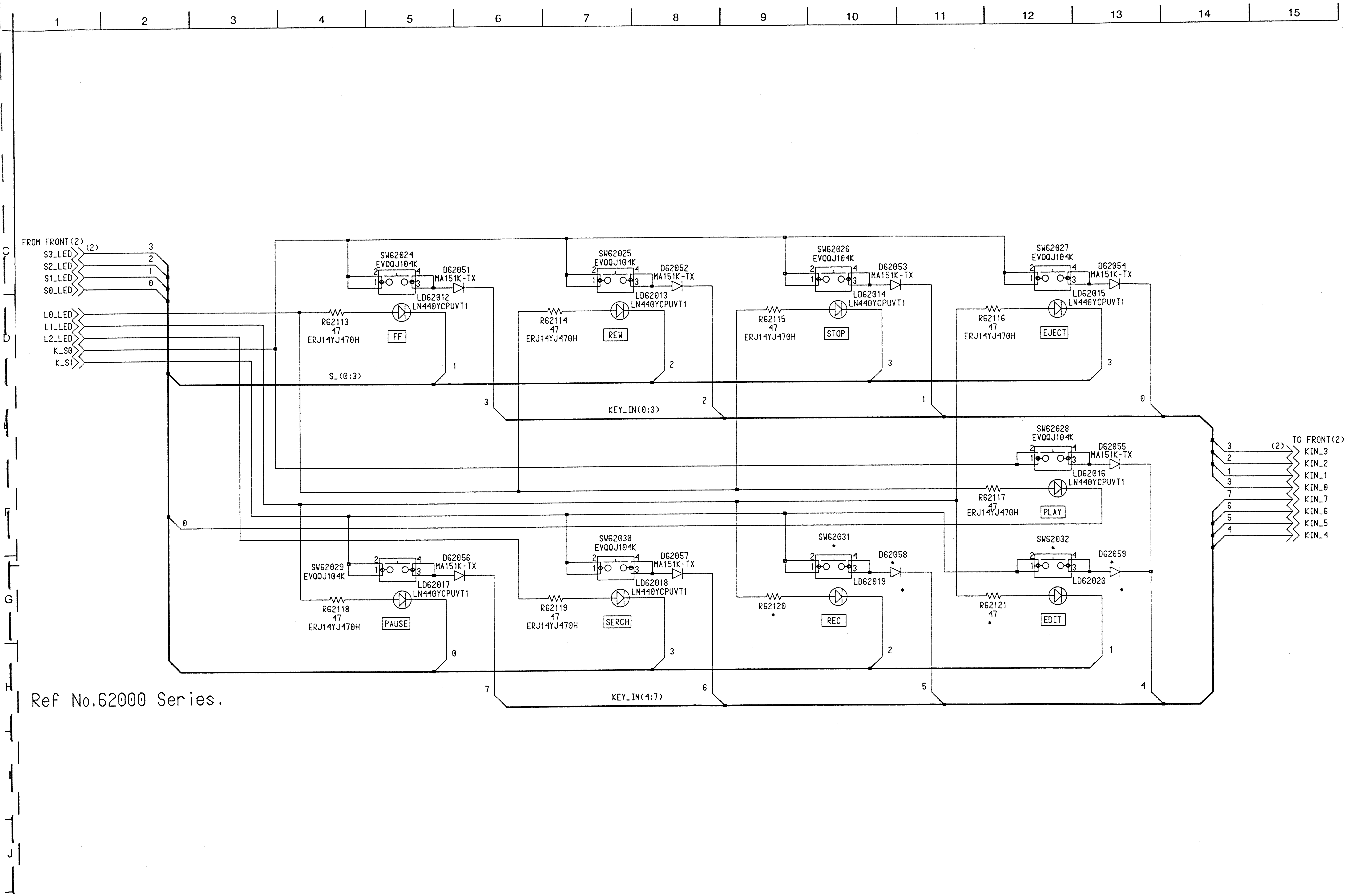
E
F
G
H
I
J
FROM FRONT(1)
TALK_CLK
A_D_5V
TO FRONT(1)
(1)
S-VHS_H
TO MOTHER
P62001
VJP3503
TRAC_VR(+)
TRAC_VR(-)
AGC_LEVEL
S-VIDEO(L)
CPN(L)
TMR_CLK
PICTURE_SW
S-VHS(H)
T-METER
R62109
10K/J6
+12V
P62007
VJP3076
TRAC_VR(+)
TRAC_VR(-)
A12V
GND
VIDEO_LEV
PICTURE_SW
VIDEO INPUT
S-VIDEO
SW62019
*
LINE
COMP
METER CH2
AUDIO
TRC
SW62020
VSS0225
TO FRONT(1)
(1)
PICT_VR
+12V
TO METER
P62008
*
TO MOTHER
P62002
VJP3503
CH2_METER
METER_GND
CH1_METER
VR_GND
NOR_CH1_VR
NOR_CH1_REF
NOR_CH2_VR
NOR_CH2_REF
VR_GND
HIFI_VR_REF
A12V
GND
CH2_METER
METER_GND
CH1_METER
NOR_CH1_VR
NOR_CH1_REF
NOR_CH2_VR
NOR_CH2_REF
VR_GND
HIFI_VR_REF
HIFI_CH2_VR
HIFI_CH1_VR
TO MOTHER
P62003
VJP3503
HIFI_CH1_VR
HIFI_CH2_VR
CH1(L)
CH2(L)
FM_MON(L)
FM_OUT(L)
R62001
10K/J6
+5V
AUDIO OUT
HIFI
MON
CH2
MIX
CH1
MON OUT
HIFI
NORM
NORM
SW62021
VSS0324
SW62022
VSS0225
SW62023
VSS0225

Ref No.62000 Series.

RONT (4) SCHEMATIC DIAGRAM 4/5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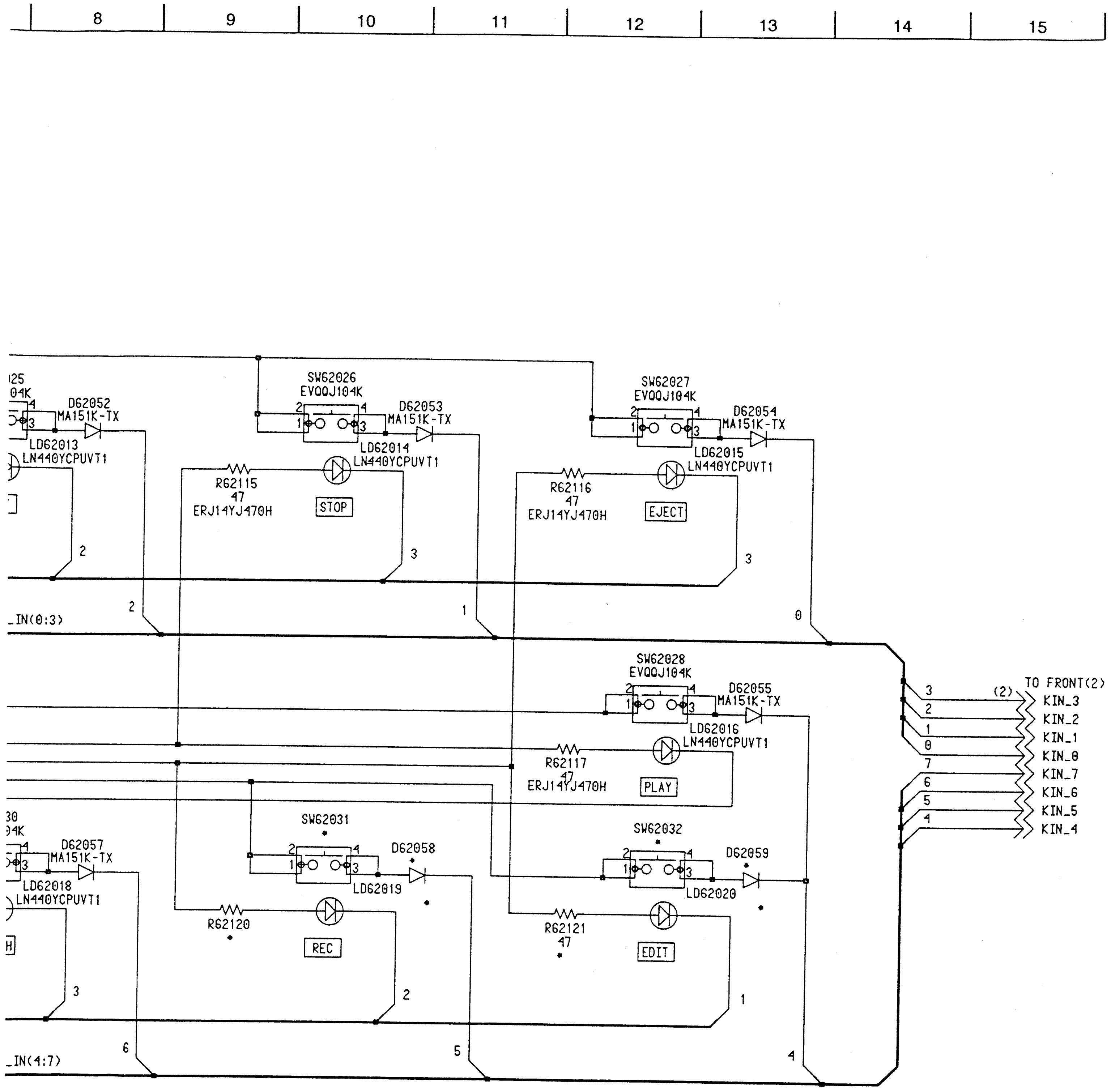
14
15
C
D
E
F
G
H
I
J
FROM FRONT(2)
(2)
S3_LED
S2_LED
S1_LED
S0_LED
L0_LED
L1_LED
L2_LED
K_S0
K_S1
SW62024
EVQQJ104K
D62051
MA151K-TX
LD62012
LN440YCPUVT1
R62113
47
ERJ14YJ470H
FF
SW62025
EVQQJ104K
D62052
MA151K-TX
LD62013
LN440YCPUVT1
R62114
47
ERJ14YJ470H
REW
SW62026
EVQQJ104K
D62053
MA151K-TX
LD62014
LN440YCPUVT1
R62115
47
ERJ14YJ470H
STOP
SW62027
EVQQJ104K
D62054
MA151K-TX
LD62015
LN440YCPUVT1
R62116
47
ERJ14YJ470H
EJECT
S_(0:3)
KEY_IN(0:3)
SW62028
EVQQJ104K
D62055
MA151K-TX
LD62016
LN440YCPUVT1
R62117
47
ERJ14YJ470H
PLAY
TO FRONT(2)
(2)
KIN_3
KIN_2
KIN_1
KIN_0
KIN_7
KIN_6
KIN_5
KIN_4
SW62029
EVQQJ104K
D62056
MA151K-TX
LD62017
LN440YCPUVT1
R62118
47
ERJ14YJ470H
PAUSE
SW62030
EVQQJ104K
D62057
MA151K-TX
LD62018
LN440YCPUVT1
R62119
47
ERJ14YJ470H
SERCH
SW62031
D62058
LD62019
R62120
REC
SW62032
D62059
LD62020
R62121
47
EDIT
KEY_IN(4:7)

Ref No.62000 Series.

FRONT COMPARISON CHART 5/5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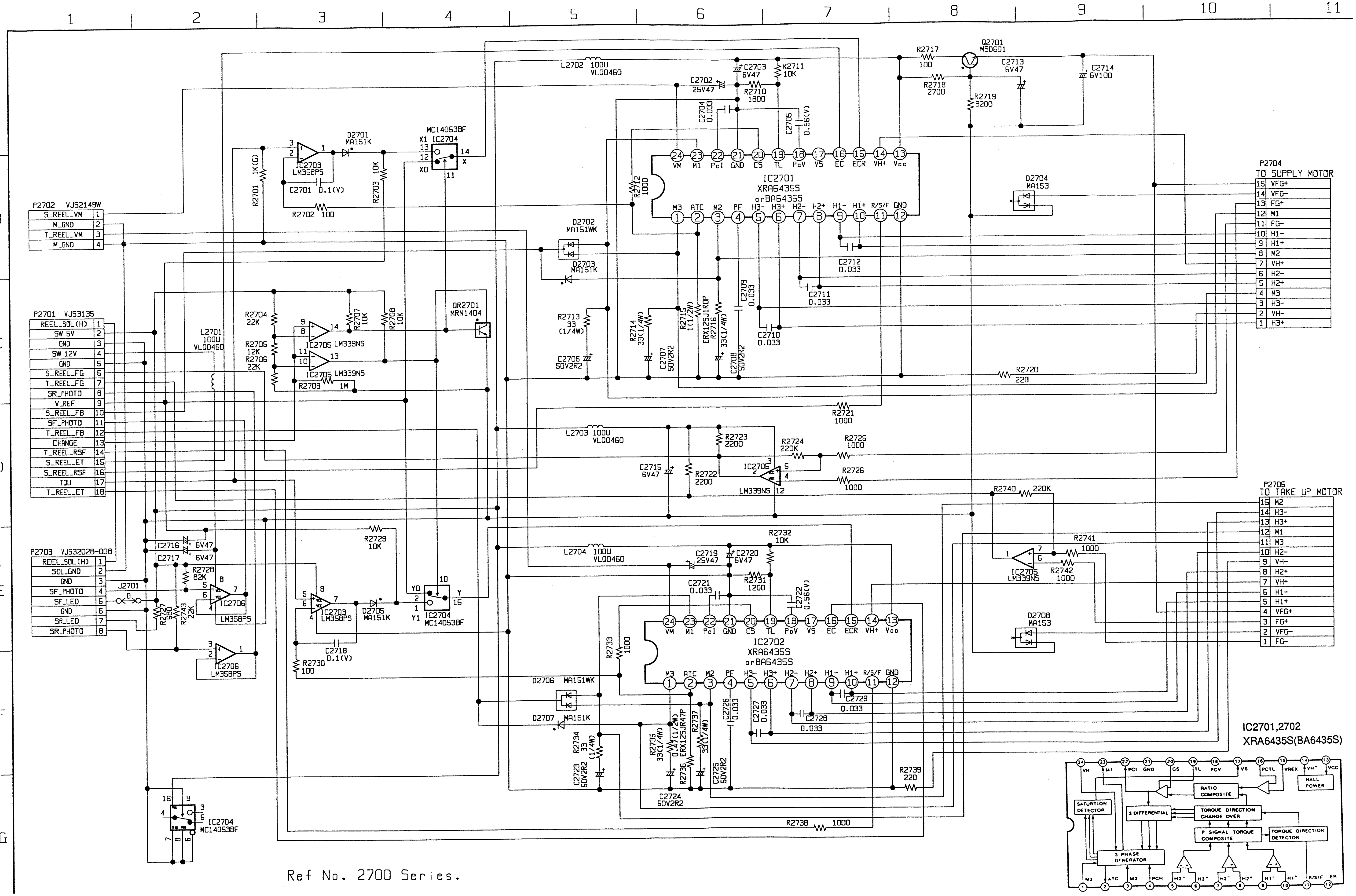
SW62026
EVQQJ104K
D62053
MA151K-TX
LD62014
LN440YCPUVT1
R62115
47
ERJ14YJ470H
STOP
SW62027
EVQQJ104K
D62054
MA151K-TX
LD62015
LN440YCPUVT1
R62116
47
ERJ14YJ470H
EJECT
D62052
MA151K-TX
LD62013
LN440YCPUVT1
_IN(0:3)
SW62028
EVQQJ104K
D62055
MA151K-TX
LD62016
LN440YCPUVT1
R62117
47
ERJ14YJ470H
PLAY
TO FRONT(2)
(2)
KIN_3
KIN_2
KIN_1
KIN_0
KIN_7
KIN_6
KIN_5
KIN_4
SW62031
D62058
LD62019
R62120
REC
SW62032
D62059
LD62020
R62121
47
EDIT
D62057
MA151K-TX
LD62018
LN440YCPUVT1
_IN(4:7)

REF	DS555	DS545
C62006	*PAT/EVV	*PAT/EVV
D62001	*PAT	*PAT
D62003	*PAT	*PAT
D62004	*PAT	*PAT
D62013	MA151K-TX	MA151K-TX
D62014	MA151K-TX	MA151K-TX
D62015	MA151K-TX	MA151K-TX
D62016	MA151K-TX	MA151K-TX
D62018	MA151K-TX	MA151K-TX
D62021	MA151K-TX	MA151K-TX
D62023	*PAT	*PAT
D62048	MA151K-TX	*PAT
D62049	*PAT	*PAT
D62058	MA151K-TX	*PAT
D62059	MA151K-TX	*PAT
J62001	0/J6	0/J6
J62002	*PAT/J6	*PAT/J6
J62003	*PAT/J6	*PAT/J6
J62004	*PAT/J6	*PAT/J6
J62006	*PAT/J6	0/J6
LD62019	LN440YCPUVT1	*PAT
LD62020	LN440YCPUVT1	*PAT
P62006	VJS2949B010	VJS2949B010
P62008	VJP1394T	VJP3530
Q62001	*PAT	*PAT
Q62009	MSB710-RT2	*PAT
R62002	*PAT/J14	*PAT/J14
R62060	*PAT/J14	*PAT/J14
R62086	100K/J6	*PAT/J6
R62087	1000/J6	*PAT/J6
R62104	47/J14	*PAT/J14
R62105	33/J14	*PAT/J14
R62106	33/J14	*PAT/J14
R62107	33/J14	*PAT/J14
R62120	47/J14	*PAT/J14
R62121	47/J14	*PAT/J14
SW62014	VSS0225	VSS0225
SW62016	VSS0324	VSS0324
SW62017	VSS0324	VSS0225
SW62019	VSS0225	*PAT
SW62031	EVQQJ104K	*PAT
SW62032	EVQQJ104K	*PAT
TP62001	*PAT	*PAT
TP62002	*PAT	*PAT
TP62003	*PAT	*PAT
TP62005	*PAT	*PAT
TP62006	*PAT	*PAT
TP62007	*PAT	*PAT
TP62008	*PAT	*PAT
TP62009	*PAT	*PAT
TP62010	*PAT	*PAT
TP62011	*PAT	*PAT
TP62012	*PAT	*PAT

REEL DRIVE SCHEMATIC DIAGRAM



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A
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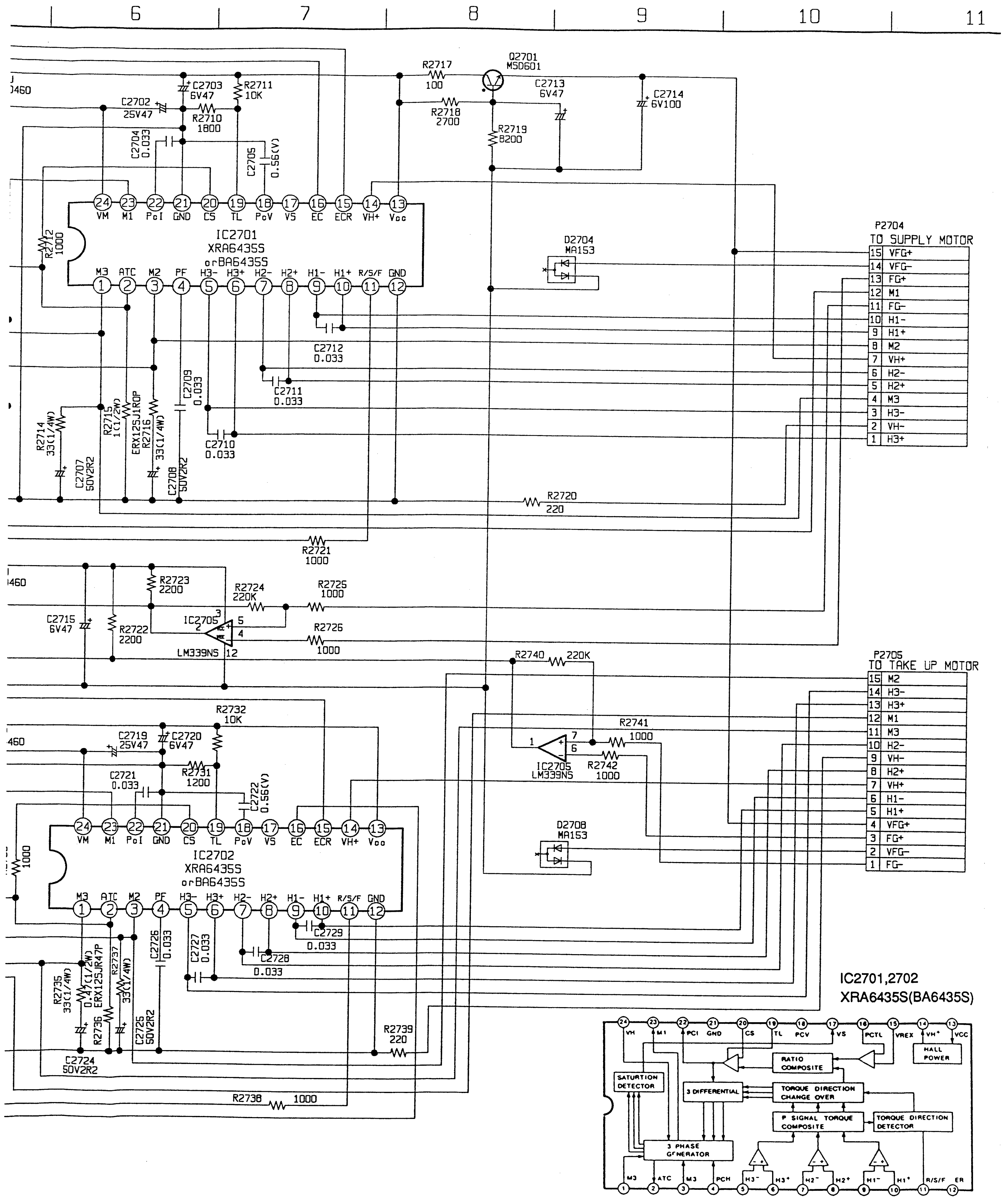
G
P2702 VJS2149W
S_REEL_VM
M_GND
T_REEL_VM
M_GND
P2701 VJS3135
REEL_SOL(H)
SW 5V
GND
SW 12V
GND
S_REEL_FG
T_REEL_FG
SR_PHOTO
V_REF
S_REEL_FB
SF_PHOTO
T_REEL_FB
CHANGE
T_REEL_RSF
S_REEL_ET
S_REEL_RSF
TOU
T_REEL_ET
P2703 VJS3202B-008
REEL_SOL(H)
SOL_GND
GND
SF_PHOTO
SF_LED
GND
SR_LED
SR_PHOTO
J2701
IC2703 LM358PS
D2701 MA151K
C2701 0.1(V)
R2701 1K(G)
R2702 100
MC14053BF
IC2704
R2703 10K
R2704 22K
R2705 12K
R2706 22K
R2707 10K
R2708 10K
R2709 1M
IC2705 LM339NS
QR2701 MRN1404
L2701 100U VLQ0460
L2702 100U VLQ0460
C2702 25V47
C2703 6V47
C2704 0.033
C2705 0.56(V)
R2710 1800
R2711 10K
R2712 1000
R2713 33 (1/4W)
R2714 33(1/4W)
R2715 1(1/2W)
R2716 ERX125J1R0P 33(1/4W)
C2706 50V2R2
C2707 50V2R2
C2708 50V2R2
C2709 0.033
C2710 0.033
C2711 0.033
C2712 0.033
D2702 MA151WK
D2703 MA151K
IC2701
XRA6435S
orBA6435S
VM M1 PcI GND CS TL PcV VS EC ECR VH+ Vcc
M3 ATC M2 PF H3- H3+ H2- H2+ H1- H1+ R/S/F GND
R2717 100
Q2701 M5D601
R2718 2700
R2719 8200
C2713 6V47
C2714 6V100
D2704 MA153
P2704
TO SUPPLY MOTOR
VFG+
VFG-
FG+
M1
FG-
H1-
H1+
M2
VH+
H2-
H2+
M3
H3-
VH-
H3+
R2720 220
R2721 1000
L2703 100U VLQ0460
C2715 6V47
R2722 2200
R2723 2200
R2724 220K
R2725 1000
R2726 1000
R2740 220K
C2716 6V47
C2717 6V47
R2727 680
R2728 82K
R2743 22K
IC2706 LM358PS
R2729 10K
L2704 100U VLQ0460
C2718 0.1(V)
R2730 100
D2705 MA151K
C2719 25V47
C2720 6V47
C2721 0.033
C2722 0.56(V)
R2731 1200
R2732 10K
IC2702
XRA6435S
orBA6435S
R2733 1000
D2706 MA151WK
D2707 MA151K
R2734 33 (1/4W)
C2723 50V2R2
R2735 33(1/4W)
R2736 0.47(1/2W) ERX12SJR47P
R2737 33(1/4W)
C2724 50V2R2
C2725 50V2R2
C2726 0.033
C2727 0.033
C2728 0.033
C2729 0.033
R2738 1000
R2739 220
R2741 1000
R2742 1000
D2708 MA153
P2705
TO TAKE UP MOTOR
VFG+
FG+
VFG-
FG-
IC2701,2702
XRA6435S(BA6435S)
VH M1 PCI GND CS TL PCV VS PCTL VREX VH+ VCC
HALL POWER
RATIO COMPOSITE
SATURATION DETECTOR
3 DIFFERENTIAL
TORQUE DIRECTION CHANGE OVER
P SIGNAL TORQUE COMPOSITE
TORQUE DIRECTION DETECTOR
3 PHASE GENERATOR
M3 ATC M3 PCH H3- H3+ H2- H2+ H1- H1+ R/S/F ER

Ref No. 2700 Series.

REEL DR

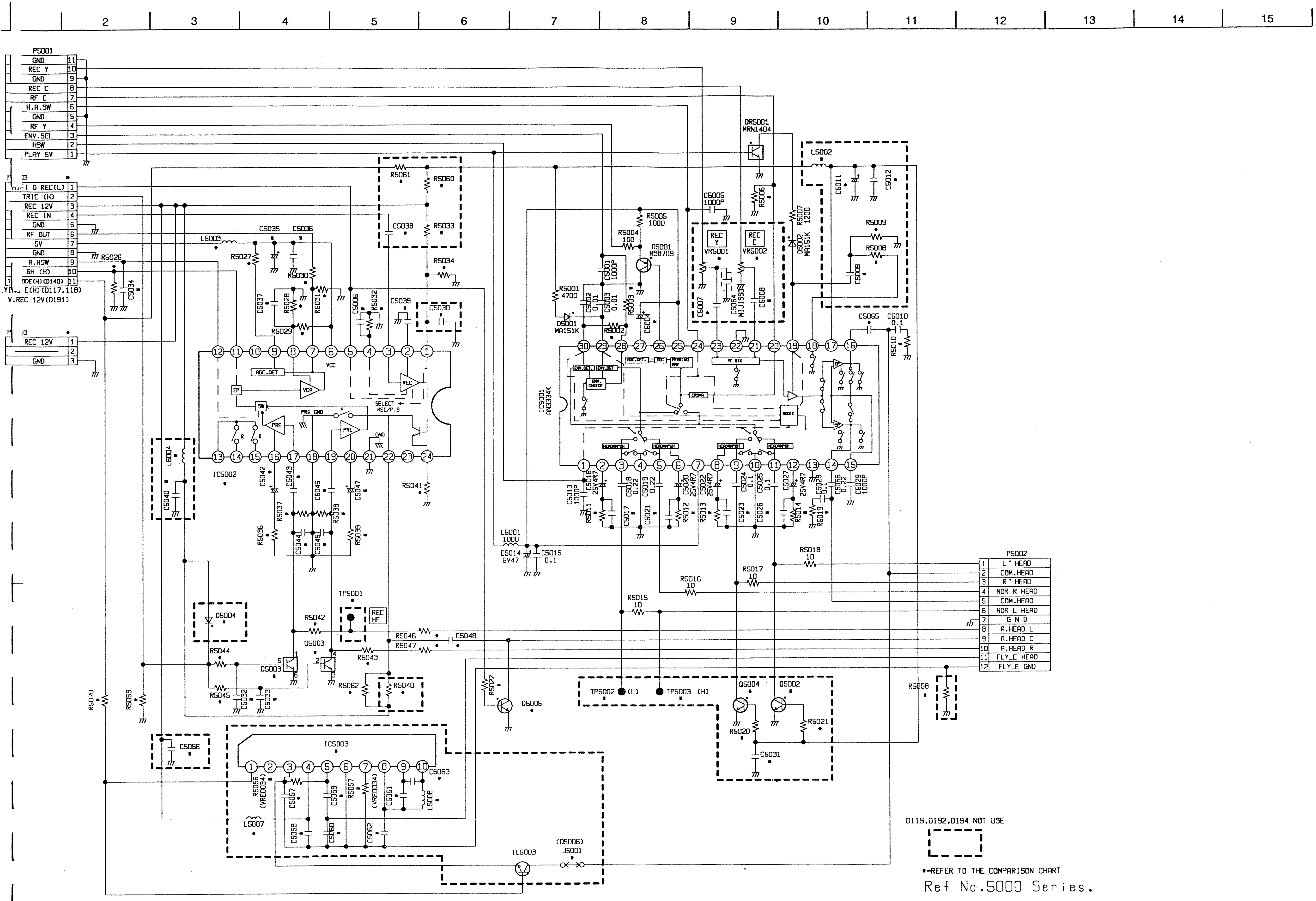
Ref. No. / Mode
STOP
REC
Ref. No. / Mode
STOP
REC
Ref. No. / Mode
STOP
REC
Ref. No. / Mode
STOP
REC
Ref. No. / Mode
STOP
REC
Ref. No. / Mode
STOP
REC
Ref. No. / Mode
STOP
REC


6
7
8
9
10
11
Q2701
MSD601
R2717
100
R2718
2700
R2719
8200
C2713
6V47
C2714
6V100
C2703
6V47
R2711
10K
C2702
25V47
R2710
1800
C2704
0.033
C2705
0.56(V)
IC2701
XRA6435S
orBA6435S
VM M1 PoI GND CS TL PoV VS EC ECR VH+ Vcc
M3 ATC M2 PF H3- H3+ H2- H2+ H1- H1+ R/S/F GND
R2712
1000
D2704
MA153
P2704
TO SUPPLY MOTOR
15 VFG+
14 VFG-
13 FG+
12 M1
11 FG-
10 H1-
9 H1+
8 M2
7 VH+
6 H2-
5 H2+
4 M3
3 H3-
2 VH-
1 H3+
C2712
0.033
C2711
0.033
C2710
0.033
C2709
0.033
R2714
33(1/4W)
R2715
1(1/2W)
ERX12SJ1R0P
R2716
33(1/4W)
C2707
50V2R2
C2708
50V2R2
R2720
220
R2721
1000
R2723
2200
R2722
2200
C2715
6V47
R2724
220K
R2725
1000
R2726
1000
IC2705
LM339NS
R2740
220K
R2741
1000
R2742
1000
IC2705
LM339NS
P2705
TO TAKE UP MOTOR
15 M2
14 H3-
13 H3+
12 M1
11 M3
10 H2-
9 VH-
8 H2+
7 VH+
6 H1-
5 H1+
4 VFG+
3 FG+
2 VFG-
1 FG-
D2708
MA153
R2732
10K
C2719
25V47
C2720
6V47
C2721
0.033
R2731
1200
C2722
0.56(V)
IC2702
XRA6435S
orBA6435S
VM M1 PoI GND CS TL PoV VS EC ECR VH+ Voo
M3 ATC M2 PF H3- H3+ H2- H2+ H1- H1+ R/S/F GND
C2729
0.033
C2728
0.033
C2726
0.033
C2727
0.033
R2735
33(1/4W)
R2736
0.47(1/2W)
ERX12SJR47P
R2737
33(1/4W)
C2724
50V2R2
C2725
50V2R2
R2739
220
R2738
1000
IC2701,2702
XRA6435S(BA6435S)
VH
M1
PCI
GND
CS
TL
PCV
VS
PCTL
VREX
VH+
VCC
HALL POWER
RATIO COMPOSITE
SATURATION DETECTOR
3 DIFFERENTIAL
TORQUE DIRECTION CHANGE OVER
P SIGNAL TORQUE COMPOSITE
TORQUE DIRECTION DETECTOR
3 PHASE GENERATOR
M3
ATC
M3
PCH
H3-
H3+
H2-
H2+
H1-
H1+
R/S/F
ER

REEL DRIVE

Ref. No.	IC2701																			
Mode	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	1.4	0.1	1.3	1.4	2.5	2.4	2.5	2.4	2.4	2.5	0	0	4.7	3.4	2.4	2.1	4.1	0.6	1.7	0.1
REC	2.3	0.1	2.5	1.4	2.5	2.5	2.5	2.5	2.5	2.5	0	0	4.7	3.4	2.4	2.2	4.1	0.6	0.7	0.1
Ref. No.	IC2701																			
Mode	21	22	23	24																
STOP	0	0.7	0.5	5.1																
REC	0	0.7	1.4	5.2																
Ref. No.	IC2702																			
Mode	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0.5	0.1	2.3	1.4	2.4	2.5	2.5	2.5	2.5	2.4	0	0	4.7	3.4	2.6	2.3	4.1	0.6	0.5	0.1
REC	1.5	0.1	1.5	1.4	2.5	2.5	2.5	2.5	2.5	2.5	0	0	4.7	3.4	2.5	2.3	4.1	0.6	0.5	0.1
Ref. No.	IC2702				IC2703															
Mode	21	22	23	24	1	2	3	4	5	6	7	8								
STOP	0	0.7	2.3	5.2	0	0.2	0.1	0	0.1	0.1	3.0	4.7								
REC	0	0.7	1.7	5.2	3.5	0.1	0.1	0	0.1	0.1	2.9	4.7								
Ref. No.	IC2704																			
Mode	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	2.6	2.4	0	0	0	0	0	0	0	4.7	0.1	2.4	2.4	2.4	2.6	4.7				
REC	2.5	2.4	0	0	0	0	0	0	0	4.7	0.1	2.4	3.1	2.4	2.6	4.7				
Ref. No.	IC2705																			
Mode	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	0.1	0.1	4.7	2.2	2.1	2.2	2.1	2.9	2.4	1.8	2.4	0	4.7	0.1						
REC	2.4	2.8	4.7	2.1	2.1	2.1	2.1	2.9	2.4	1.8	2.4	0	4.7	0.1						
Ref. No.	IC2706								Q2701			QR2701								
Mode	1	2	3	4	5	6	7	8	E	C	B	E	C	B						
STOP	4.6	4.6	4.6	0	2.4	2.4	2.4	11.7	2.8	3.8	3.4	0	4.7	0.1						
REC	4.6	4.6	4.6	0	2.4	2.4	2.4	11.7	2.8	3.8	3.4	0	4.7	0.1						

) AMP SCHEMATIC DIAGRAM


2
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12
13
14
15
P5001
GND
REC Y
GND
REC C
RF C
H.A.SW
GND
RF Y
ENV.SEL
HSW
PLAY 5V
HIFI D REC(L)
TRIC (H)
REC 12V
REC IN
GND
RF OUT
5V
GND
A.HSW
6H (H)
V.REC 12V(D191)
REC 12V
GND
IC5002
IC5001
AN3334K
IC5003
Q5001
MSB709
Q5002
Q5003
Q5004
Q5005
DRS001
MRN1404
D5001
MA151K
D5002
MA151K
D5004
VR5001
VR5002
REC Y
REC C
L5001
100U
L5002
L5003
L6004
L5007
L5008
R5001
4700
R5004
100
R5005
1000
R5007
1200
C5001
1000P
C5005
1000P
C5014
6V47
C5015
0.1
AGC.DET
VCA
EP
SW
PRE
PRE GND
REC
SELECT
REC/P.B
VCC
YC MIX
CHROMA
LOGIC
ENV. CHOICE
HEADAMP
TPS001
REC HF
TPS002 (L)
TPS003 (H)
JS001
(Q5006)
R5015
10
R5016
10
R5017
10
R5018
10
PS002
L' HEAD
COM.HEAD
R' HEAD
NOR R HEAD
COM.HEAD
NOR L HEAD
G N D
A.HEAD L
A.HEAD C
A.HEAD R
FLY_E HEAD
FLY_E GND

D119,D192,D194 NOT USE

*-REFER TO THE COMPARISON CHART

Ref No.5000 Series.

HEAD AMP

Ref. No. / Mode		
	1	2
STOP	2.3	0.8
REC	2.3	0

Ref. No. / Mode		
	21	22
STOP	0	0
REC	4.6	0

Ref. No. / Mode		
	1	2
STOP	0.3	0
REC	4.0	1.3

Ref. No. / Mode	I	
	21	22
STOP	0	0
REC	0	7.3

Ref. No. / Mode	Q50	
	E	C
STOP	0	0
REC	0	0

HEAD AMP

Ref. No.	IC5001																			
Mode	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	2.3	0.8	0.6	0	0.6	0.8	4.9	0.8	0.6	0	0.6	0.8	0	0	0	0	0	0	0.6	1.7
REC	2.3	0	0	0	0	0	0.3	0	0	0	0	0	0	5.9	5.8	5.9	11.2	0	2.7	0
Ref. No.	IC5001																			
Mode	21	22	23	24	25	26	27	28	29	30										
STOP	0	0	0	4.6	4.9	1.8	3.1	0	1.9	1.9										
REC	4.6	0	4.6	0	0.3	0.3	0.1	0	11.1	3.9										
Ref. No.	IC5002																			
Mode	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0.3	0	2.8	1.2	3.7	4.9	2.9	2.3	4.9	0	0	2.5	0	0	0	0.8	0.7	0	0.7	0.8
REC	4.0	1.3	2.7	1.3	0.1	4.9	3.7	2.3	4.9	0	0	2.5	0	0	0	0	0	0	0	0
Ref. No.	IC5002				Q5001			Q5002			Q5003						Q5004			
Mode	21	22	23	24	E	C	B	E	C	B	1	2	3	4	5	6	E	C	B	
STOP	0	0	0	0	2.4	0	1.8	0	0	0	0	0	0	0	0	0	0	0	0	
REC	0	7.3	0	0.6	0.3	0	0	0	0	0.8	0	0.7	0	0	0.7	0	0	0	0.8	
Ref. No.	Q5005			QR5001																
Mode	E	C	B	E	C	B														
STOP	0	0	0.8	0	0	5.0														
REC	0	0	0	0	2.5	0.3														

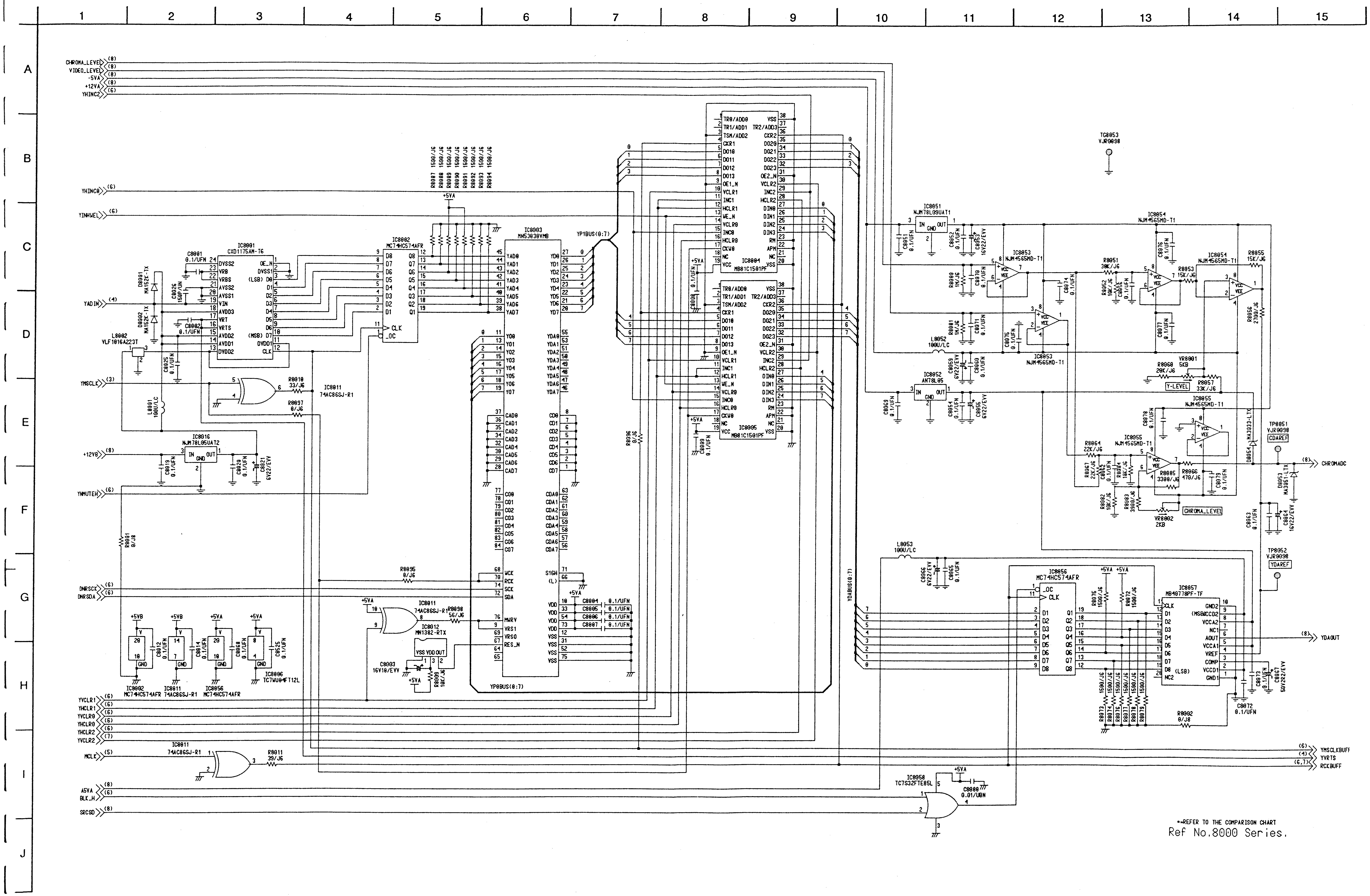
HEAD AMP COMPARISON CHART

	DS555	DS545
C5004	50V0.1	50V1
C5006	0.01	0.01
C5007	0.01	—
C5008	0.01	—
C5009	1800P(J)(NP0)	—
C5011	16V22	—
C5012	0.047	—
C5017	12P	12P
C5021	12P	12P
C5023	3P	3P
C5026	3P	3P
C5030	0.01	—
C5031	0.1	—
C5032	0.1	0.1
C5033	0.1	0.1
C5034	1000P(K)	1000P(K)
C5035	6V47	6V47
C5036	0.01	0.01
C5037	0.01(K)	0.01(K)
C5038	0.01(K)	—
C5039	0.01	0.01
C5040	0.01	—
C5042	50V1	50V1
C5043	470P	470P
C5044	100P	100P
C5045	100P	100P
C5046	470P	470P
C5047	50V1	50V1
C5048	0.0047	0.0047
C5056	0.01	—
C5057	—	—
C5058	—	—
C5059	—	—
C5060	—	—
C5061	—	—
C5062	—	—
C5063	—	—
C5065	—	—
D5004	MA151K-TW	—
IC5002	BA7740FS	BA7740FS
IC5003	—	—
J5001	—	—
L5002	100U	—
L5003	100U	100U
L5004	100U	—
L5007	—	—
L5008	—	—
P5003	VJP3091	VJP3091
Q5002	2SC2295	—
Q5003	XN4504-TW	XN4504-TW
Q5004	2SC2295	—
Q5005	2SC2295	2SC2295

	DS555	DS545
R5002	680K	680K
R5003	22K	22K
R5006	1500	1500
R5008	—	—
R5009	470	—
R5010	1	1
R5011	1200	1200
R5012	1200	1200
R5013	1200	1200
R5014	1200	1200
R5019	330	390
R5020	3300	—
R5021	3300	—
R5022	1500	1500
R5026	0	0
R5027	33K	33K
R5028	24K(G)	24K(G)
R5029	27K(G)	27K(G)
R5030	390	390
R5031	10K	10K
R5032	47K	47K
R5033	27K	—
R5034	15K	15K
R5036	3300	3300
R5037	1500	1500
R5038	1500	1500
R5039	3300	3300
R5040	220(1/4W)	—
R5041	10	10
R5042	10	10
R5043	10	10
R5044	10K	10K
R5045	10K	10K
R5046	0	0
R5047	0	0
R5056	—	—
R5057	—	—
R5058	0	—
R5059	47K	47K
R5060	—	—
R5061	0	—
R5062	220(1/4W)	—
R5070	0	—
TP5001	VJR0098	—
TP5002	VJR0098	—
TP5003	VJR0098	—
VR5001	2KB(CA)	—
VR5002	2KB(CA)	—

0=ERJ6GEY0R00V

Y. MEMORY SCHEMATIC DIAGRAM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13
14
15
A
B
C
D
E
F
G
H
I
J
CHROMA_LEVEL
VIDEO_LEVEL
-5VA
+12VA
YHINC2
YHINC8
YINHWEL
YADIN
YMSCLK
+12VB
YNMUTEH
DNRSCK
DNRSDA
YVCLR1
YHCLR1
YVCLR0
YHCLR0
YHCLR2
YVCLR2
MCLK
A5VA
BLK_H
SRCSD
IC8001
CXD1175AM-T6
IC8002
MC74HC574AFR
IC8003
MN53038YMB
IC8004
M881C1501PF
IC8005
M881C1501PF
IC8006
TC7WU04FT12L
IC8011
74AC86SJ-R1
IC8012
MN1382-RTX
IC8016
NJM78L05UAT2
IC8051
NJM78L09UAT1
IC8052
AN78L05
IC8053
NJM4565MD-T1
IC8054
NJM4565MD-T1
IC8055
NJM4565MD-T1
IC8056
MC74HC574AFR
IC8057
MB40778PF-TF
IC8058
TC7S32FTE85L
L8002
VLF1016A223T
L8001
100U/LC
L8052
100U/LC
L8053
100U/LC
D8001
MA152K-TX
D8002
MA152K-TX
D8054
MA3033-LTX
D8053
MA3051-LTX
VR8001
5KB
VR8002
2KB
Y-LEVEL
CHROMA_LEVEL
TC8053
VJR0098
TP8051
VJR0098
CDAREF
TP8052
VJR0098
YDAREF
YP1BUS(0:7)
YP0BUS(0:7)
YDABUS(0:7)
CHROMADC
YDAOUT
YMSCLKBUFF
YVRTS
RCKBUFF
+5VA
+5VB

*=REFER TO THE COMPARISON CHART

Ref No.8000 Series.

Y. MEMOR

REF. NO. / MODE	1
PLAY	0
REC	0
REF. NO. / MODE	21
PLAY	0
REC	0
REF. NO. / MODE	1
PLAY	0
REC	0
REF. NO. / MODE	1
PLAY	0
REC	0
REF. NO. / MODE	21
PLAY	1.3
REC	1.5
REF. NO. / MODE	41
PLAY	3.0
REC	2.9
REF. NO. / MODE	61
PLAY	0
REC	0
REF. NO. / MODE	81
PLAY	0
REC	0
REF. NO. / MODE	1
PLAY	0.2
REC	0
REF. NO. / MODE	21
PLAY	0
REC	0
REF. NO. / MODE	1
PLAY	0.2
REC	0
REF. NO. / MODE	21
PLAY	0
REC	0
REF. NO. / MODE	1
PLAY	5.1
REC	5.1
REF. NO. / MODE	1
PLAY	1.6
REC	1.6
REF. NO. / MODE	1
PLAY	5.1
REC	5.1

Y. MEMORY

REF. NO.	IC8001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	0	1.3	1.3	1.4	1.9	2.8	1.8	1.5	1.5	5.0	2.6	5.0	4.9	4.9	2.6	2.6	4.9	0.2	0
REC	0	0	1.4	1.5	2.3	2.0	2.7	1.2	1.7	1.2	4.9	2.6	4.9	4.9	4.9	2.6	2.6	4.9	0.1	0

REF. NO.	IC8001			
MODE	21	22	23	24
PLAY	0	0.6	0.6	0
REC	0	0.5	0.5	0

REF. NO.	IC8002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	1.5	1.5	1.8	2.7	1.8	1.4	1.3	1.3	0	2.5	2.4	2.3	2.2	2.2	2.9	2.0	1.5	1.5	5.0
REC	0	1.2	1.7	1.2	2.7	2.0	2.3	1.5	1.4	0	2.6	2.5	2.3	3.1	2.4	3.0	1.3	1.7	1.3	5.0

REF. NO.	IC8003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	0	0	0	0	0	0	0	5.0	5.1	2.5	0	2.3	2.1	2.2	3.0	1.9	1.6	1.6	1.3
REC	0	0	0	0	0	0	0	0	5.0	5.1	2.5	0	2.3	3.0	2.5	2.9	1.4	1.8	1.3	1.0

REF. NO.	IC8003																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	1.3	1.6	2.4	1.9	1.7	1.9	2.0	0	0	0	0	0	5.1	0	0	0	0	1.5	1.5	1.8
REC	1.5	1.1	2.5	1.9	2.6	1.9	2.1	0	0	0	0	0	5.1	0	0	0	0	1.3	1.7	1.3

REF. NO.	IC8003																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
PLAY	3.0	2.2	2.3	2.3	2.4	1.6	1.6	1.9	2.9	2.2	2.1	0	2.3	5.1	2.5	0	0	0	0	0
REC	2.9	2.4	3.1	2.2	2.4	1.3	1.9	1.4	2.9	2.5	3.0	0	2.3	5.1	2.5	0	0	0	0	0

REF. NO.	IC8003																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
PLAY	0	0	0	0	0	0	5.1	1.6	5.1	1.6	0	0	5.1	5.1	0	5.0	0	0	0	0
REC	0	0	0	0	0	0	5.0	1.6	5.1	1.6	0	0	0	5.1	0	5.0	0	0	0	0

REF. NO.	IC8003			
MODE	81	82	83	84
PLAY	0	0	0	0
REC	0	0	0	0

>> CHROMADC

REF. NO.	IC8004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0.2	0.2	0	2.6	2.0	1.8	1.5	1.9	0	0	0	0	0	0	0	0	1.6	0	5.1	0
REC	0	0.2	0	2.6	3.0	0.1	4.3	0	0	0	0	0	5.1	0	0	0	1.6	0	5.1	0

REF. NO.	IC8004																	
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
PLAY	0	0	0	2.3	1.9	2.3	2.5	0	0	0	0	1.8	1.6	1.8	2.0	2.6	0.2	0
REC	0	0	0	2.6	3.5	2.7	2.7	0	0	0	0	0	4.3	0	3.0	2.6	0.2	0

REF. NO.	IC8005																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0.2	0.2	0	2.5	2.6	1.1	1.5	1.3	0	0	0	0	0	0	0	0	1.6	0	5.1	0
REC	0	0.2	0	2.6	4.3	0	0	0	0	0	0	0	-5.1	0	0	0	1.6	0	5.1	0

>> YDAOUT

REF. NO.	IC8005																	
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
PLAY	0	0	0	1.5	1.6	1.9	3.1	0	0	0	0	1.3	1.3	1.6	2.5	2.6	0.2	0
REC	0	0	0	0	0	0	5.1	0	0	0	0	0	0	0	4.5	2.6	0.2	0

REF. NO.	IC8006							
MODE	1	2	3	4	5	6	7	8
PLAY	5.1	5.1	5.1	0	0	0	0	5.1
REC	5.1	5.1	5.1	0	0	0	0	5.1

>> YMSCLKBUFF
>> YVRTS
>> RCKBUFF

REF. NO.	IC8011													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	1.6	0	2.8	0	1.6	2.8	0	5.0	0	5.1	0	0	0	5.0
REC	1.6	0	2.8	0	1.6	2.7	0	5.0	0	5.1	0	0	0	5.0

REF. NO.	IC8012		
MODE	1	2	3
PLAY	5.1	5.1	0
REC	5.1	5.1	0

Y. MEMORY

REF. NO.	IC8016		
MODE	1	2	3
PLAY	4.9	0	11.5
REC	4.9	0	11.5

REF. NO.	IC8051		
MODE	1	2	3
PLAY	8.9	0	11.6
REC	8.9	0	11.5

REF. NO.	IC8052		
MODE	1	2	3
PLAY	4.9	0	11.6
REC	4.9	0	11.6

REF. NO.	IC8053							
MODE	1	2	3	4	5	6	7	8
PLAY	0	0	0	-4.9	0	0	0	8.9
REC	0	0	0	-4.9	0	0	0	8.9

REF. NO.	IC8054							
MODE	1	2	3	4	5	6	7	8
PLAY	4.0	2.0	2.0	-4.9	0	0	0	8.9
REC	4.0	2.0	2.0	-4.9	0	0	0	8.9

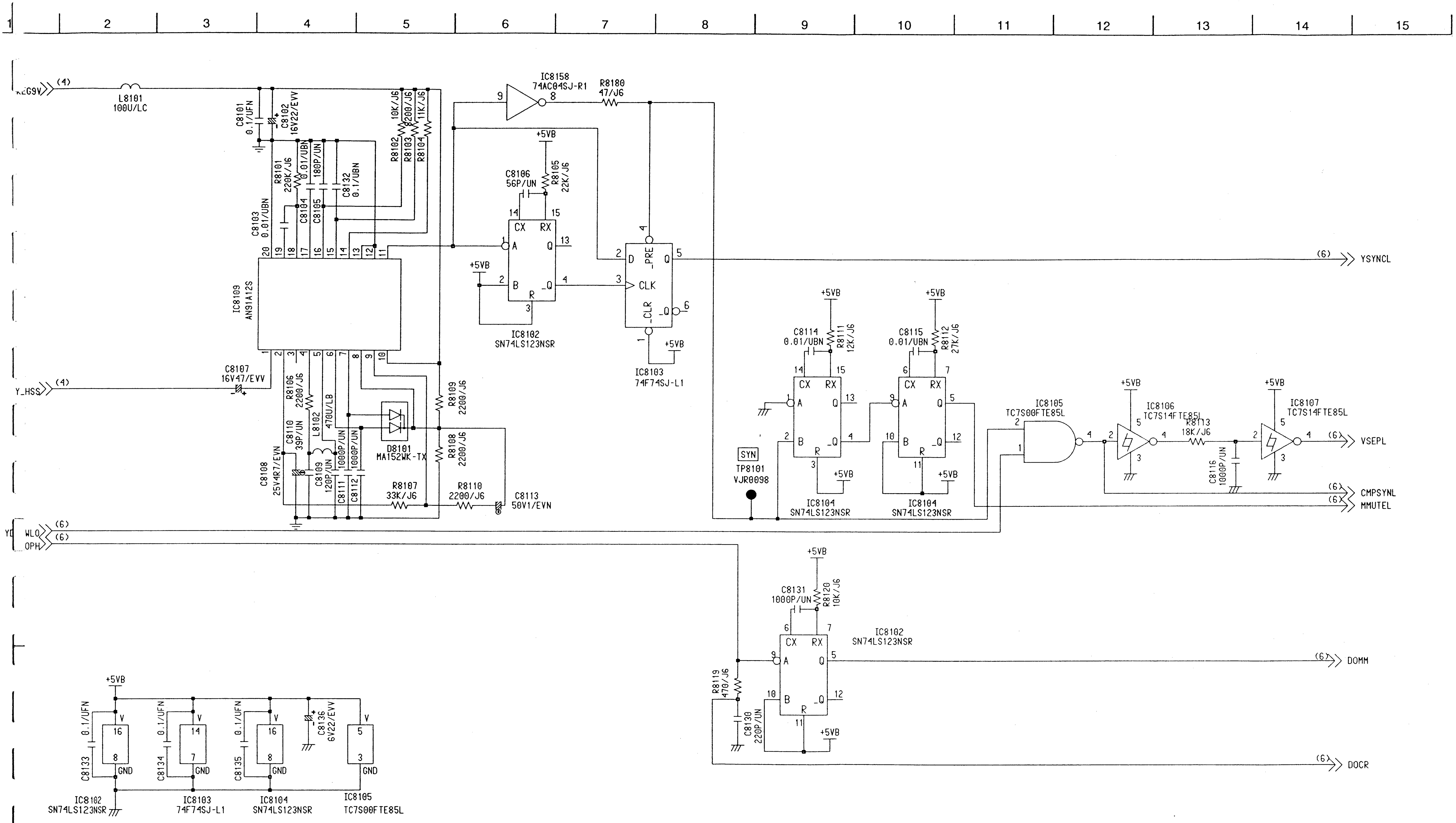
REF. NO.	IC8055							
MODE	1	2	3	4	5	6	7	8
PLAY	0	0	0	-4.9	0	0	3.5	8.9
REC	0	0	0	-4.9	0	0	3.5	8.9

REF. NO.	IC8056																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0.9	1.3	1.3	1.5	2.3	1.8	1.8	1.9	2.0	0	2.6	2.2	1.8	3.1	2.0	3.5	1.9	1.5	1.5	5.1
REC	0.9	1.0	1.5	1.1	2.4	1.9	2.4	1.9	2.1	0	2.6	2.3	2.1	3.8	2.4	3.5	1.4	1.8	1.3	5.1

REF. NO.	IC8057																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	4.7	2.5	-0.2	4.9	4.1	0	4.9	4.7	0	2.6	1.5	1.5	1.9	3.6	2.1	2.9	2.0	2.2	0
REC	0	4.7	2.5	4.0	4.9	3.9	0	4.9	4.8	0	2.6	0	0	0	5.1	0	5.1	0	0	0

REF. NO.	IC8058				
MODE	1	2	3	4	5
PLAY	0.9	0	0	0.9	5.1
REC	5.1	0	0	5.1	5.1

'NCSEP SCHEMATIC DIAGRAM



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15
REG9V
(4)
L8101
100U/LC
C8101
0.1/UFN
C8102
16V22/EVV
R8101
220K/J6
C8104
0.01/UBN
C8105
180P/UN
C8132
0.1/UBN
C8103
0.01/UBN
R8102
10K/J6
R8103
2200/J6
R8104
11K/J6
IC8109
AN91A12S
Y_HSS
C8107
16V47/EVV
R8106
2200/J6
L8102
470U/LB
C8110
39P/UN
C8108
25V4R7/EVN
C8109
120P/UN
C8111
1000P/UN
C8112
1000P/UN
D8101
MA152WK-TX
R8109
2200/J6
R8108
2200/J6
R8107
33K/J6
R8110
2200/J6
C8113
50V1/EVN
IC8158
74AC04SJ-R1
R8180
47/J6
+5VB
C8106
56P/UN
R8105
22K/J6
CX
RX
A
B
Q
_Q
R
IC8102
SN74LS123NSR
D
_PRE
CLK
_CLR
IC8103
74F74SJ-L1
(6)
YSYNCL
C8114
0.01/UBN
R8111
12K/J6
C8115
0.01/UBN
R8112
27K/J6
SYN
TP8101
VJR0098
IC8104
SN74LS123NSR
IC8105
TC7S00FTE85L
IC8106
TC7S14FTE85L
R8113
18K/J6
C8116
1000P/UN
IC8107
TC7S14FTE85L
VSEPL
CMPSYNL
MMUTEL
WLO
OPH
C8131
1000P/UN
R8120
10K/J6
R8119
470/J6
C8130
220P/UN
DOMM
DOCR
C8133
0.1/UFN
C8134
0.1/UFN
C8135
0.1/UFN
C8136
6V22/EVV
V
GND
IC8102
SN74LS123NSR
IC8103
74F74SJ-L1
IC8104
SN74LS123NSR
IC8105
TC7S00FTE85L

*=REFER TO THE COMPARISON CHART

Ref No.8100 Series.

PB SYNCSEP

MODE \ REF. NO.	1	2
PLAY	4.6	5.0
REC	4.6	5.0

MODE \ REF. NO.	1	2
PLAY	5.0	4.6
REC	5.0	4.6

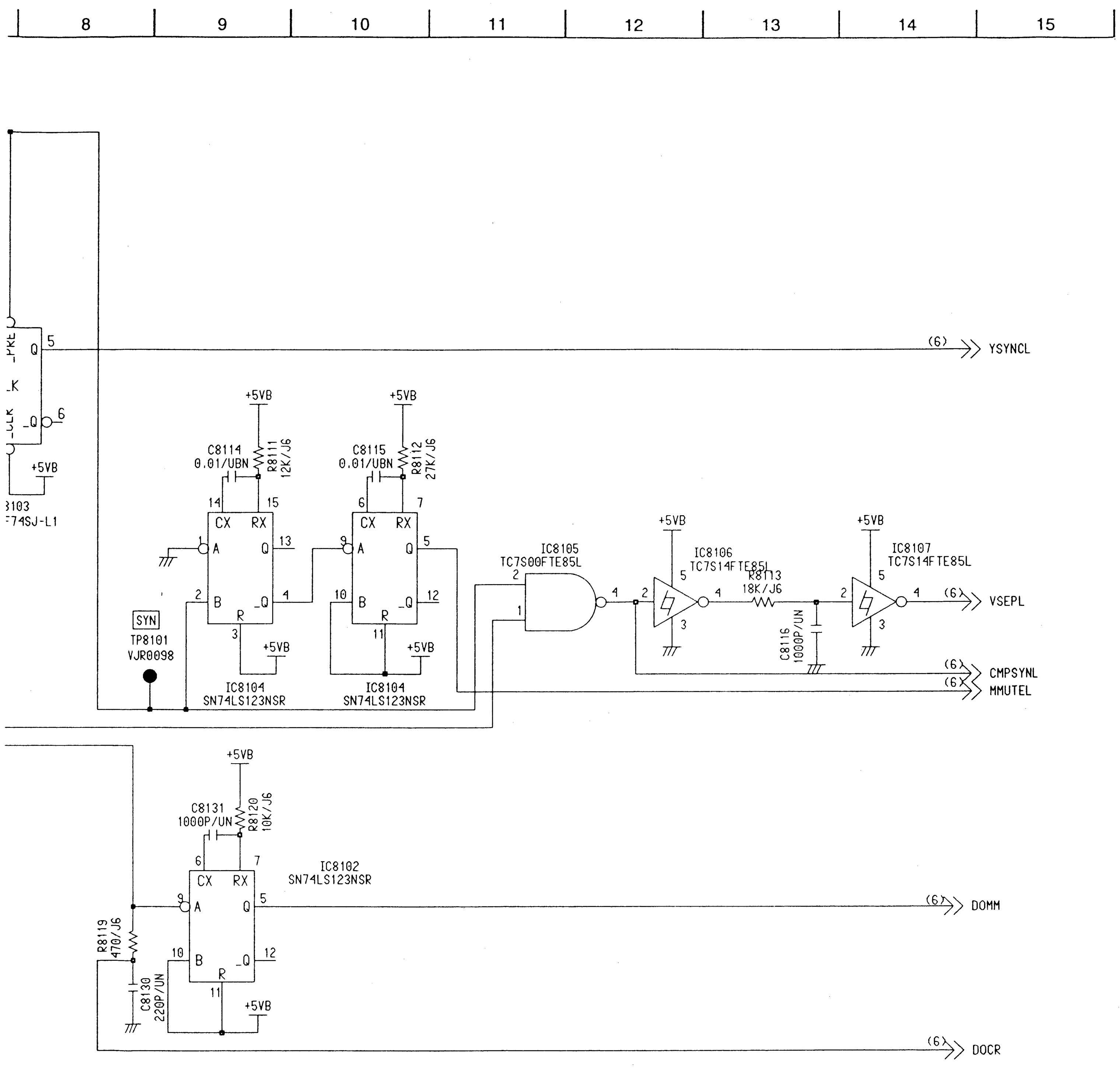
MODE \ REF. NO.	1	2
PLAY	0	0.4
REC	0	0.4

MODE \ REF. NO.	1	2
PLAY	5.1	0.4
REC	5.1	0

MODE \ REF. NO.	1	2
PLAY	0	4.6
REC	0	5.0

MODE \ REF. NO.	1	2
PLAY	0	0.3
REC	0	0

MODE \ REF. NO.	1	2
PLAY	3.7	3.9
REC	3.7	4.0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14
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Q 5
_K
_Q 6
+5VB
3103
F74SJ-L1
(6) YSYNCL
+5VB
C8114
0.01/UBN
R8111
12K/J6
14
15
CX RX
1 A Q 13
2 B _Q 4
R
3
+5VB
IC8104
SN74LS123NSR
SYN
TP8101
VJR0098
+5VB
C8115
0.01/UBN
R8112
27K/J6
6
7
CX RX
9 A Q 5
10 B _Q 12
R
11
+5VB
IC8104
SN74LS123NSR
IC8105
TC7S00FTE85L
2
1
4
+5VB
IC8106
TC7S14FTE85L
5
2
4
3
R8113
18K/J6
C8116
1000P/UN
+5VB
IC8107
TC7S14FTE85L
5
2
4
3
(6) VSEPL
(6) CMPSYNL
(6) MMUTEL
+5VB
C8131
1000P/UN
R8120
10K/J6
6
7
IC8102
SN74LS123NSR
CX RX
9 A Q 5
10 B _Q 12
R
11
+5VB
R8119
470/J6
C8130
220P/UN
(6) DOMM
(6) DOCR

*=REFER TO THE COMPARISON CHART

Ref No.8100 Series.

PB SYNCSEP

REF. NO.	IC8102															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	4.6	5.0	5.0	4.3	0	0	1.5	0	0	5.0	5.0	4.4	0	0	1.2	5.0
REC	4.6	5.0	5.0	4.3	0	0	1.5	0	0	5.0	5.0	4.5	0	0	1.2	5.0

REF. NO.	IC8103													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	5.0	4.6	4.4	0.4	4.1	0.4	0	2.5	2.3	5.0	3.6	2.6	5.0	5.0
REC	5.0	4.6	4.3	0.4	4.1	0.3	0	2.5	2.1	5.0	3.4	2.4	5.0	5.0

REF. NO.	IC8104															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	0.4	5.0	1.5	4.9	0	1.1	0	1.5	5.0	5.0	0.1	2.7	0	1.4	5.0
REC	0	0.4	5.0	1.5	4.9	0	1.1	0	1.5	5.0	5.0	0.1	2.8	0	1.4	5.0

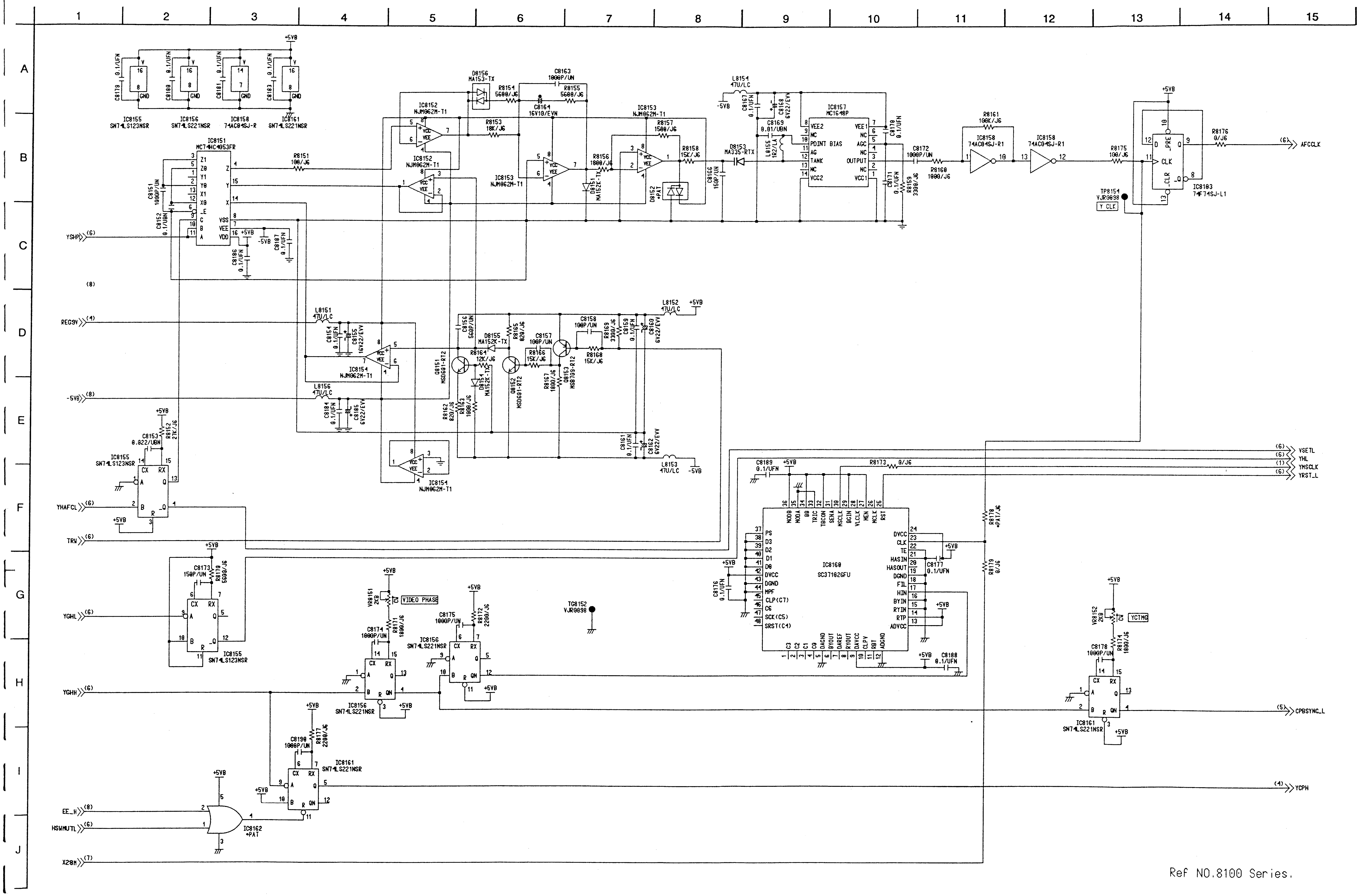
REF. NO.	IC8105				
MODE	1	2	3	4	5
PLAY	5.1	0.4	0	4.6	5.0
REC	5.1	0	0	5.0	5.0

REF. NO.	IC8106				
MODE	1	2	3	4	5
PLAY	0	4.6	0	0.3	5.0
REC	0	5.0	0	0	5.0

REF. NO.	IC8107				
MODE	1	2	3	4	5
PLAY	0	0.3	0	4.9	5.0
REC	0	0	0	5.0	5.0

REF. NO.	IC8109																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	3.7	3.9	5.2	5.9	6.0	3.3	4.4	4.4	4.0	8.9	4.6	0	0	8.0	8.0	6.7	6.7	3.9	5.9	0
REC	3.7	4.0	5.2	5.9	5.9	3.4	4.4	4.4	4.0	8.9	4.6	0	0	8.1	8.1	6.7	0	0	5.8	0

WRITE PLL SCHEMATIC DIAGRAM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11
12
13
14
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A
B
C
D
E
F
G
H
I
J
+5VB
C8179 0.1/UFN
C8180 0.1/UFN
C8181 0.1/UFN
C8183 0.1/UFN
IC8155 SN74LS123NSR
IC8156 SN74LS221NSR
IC8158 74AC04SJ-R
IC8161 SN74LS221NSR
IC8151 MC74HC4053FR
R8151 100/J6
C8151 1000P/UN
C8152 0.1/UBN
YSHP (6)
(8)
C8186 0.1/UFN
C8187 0.1/UFN
-5VB
D8156 MA153-TX
R8154 5600/J6
C8163 1000P/UN
R8155 5600/J6
C8164 16V10/EVN
IC8152 NJM062M-T1
R8153 18K/J6
IC8153 NJM062M-T1
R8156 1000/J6
D8151 MA152K-TX
R8157 1500/J6
R8158 15K/J6
D8152 *PAT
C8166 150P/UN
D8153 MA335-RTX
L8154 47U/LC
C8167 0.1/UFN
C8168 6V22/EVN
C8169 0.01/UBN
L8155 1U2/LA
IC8157 MC1648P
VEE2
NC
PDINT BIAS
AG
TANK
VCC2
VEE1
AGC
OUTPUT
VCC1
C8170 0.1/UFN
C8171 0.1/UFN
R8159 3300/J6
C8172 1000P/UN
R8160 1000/J6
R8161 100K/J6
IC8158 74AC04SJ-R1
R8175 100/J6
TP8154 VJR0098
Y CLK
IC8103 74F74SJ-L1
D
PRE
Q
CLK
CLR
R8176 0/J6
(6) AFCCLK
REG9V (4)
L8151 47U/LC
C8154 0.1/UFN
C8155 16V22/EVN
IC8154 NJM062M-T1
L8156 47U/LC
C8184 0.1/UFN
C8185 6V22/EVN
-5VB (8)
C8156 560P/UN
D8155 MA152K-TX
R8164 12K/J6
R8165 820/J6
C8157 100P/UN
R8166 15K/J6
C8158 100P/UN
R8169 3300/J6
R8168 15K/J6
C8159 0.1/UFN
C8160 6V22/EVN
L8152 47U/LC
Q8151 MSD601-RT2
Q8152 MSD601-RT2
Q8153 MSB709-RT2
D8154 MA152K-TX
R8162 820/J6
R8163 1000/J6
R8167 1000/J6
C8161 0.1/UFN
C8162 6V22/EVN
L8153 47U/LC
C8153 0.022/UBN
R8152 27K/J6
YHAFCL (6)
TRW (6)
CX
RX
A
B
R
Q
C8173 150P/UN
R8170 5600/J6
YGHL (6)
YGHH (6)
VR8151 2K0
VIDEO PHASE
C8174 1000P/UN
R8171 1000/J6
C8175 1000P/UN
R8172 2200/J6
TG8152 VJR0098
C8189 0.1/UFN
R8173 0/J6
(6) VSETL
(6) YHL
(1) YMSCLK
(6) YRST_L
IC8160 SC371026FU
R8178 *PAT/J6
R8179 0/J6
C8176 0.1/UFN
C8177 0.1/UFN
C8188 0.1/UFN
VR8152 2K0
YCTMG
C8178 1000P/UN
R8174 1000/J6
(5) CPBSYNC_L
C8190 1000P/UN
R8177 2200/J6
IC8162 *PAT
EE_H (8)
HSWMUTL (6)
(4) YCPH
X28M (7)

Ref NO.8100 Series.

WRITE P

REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
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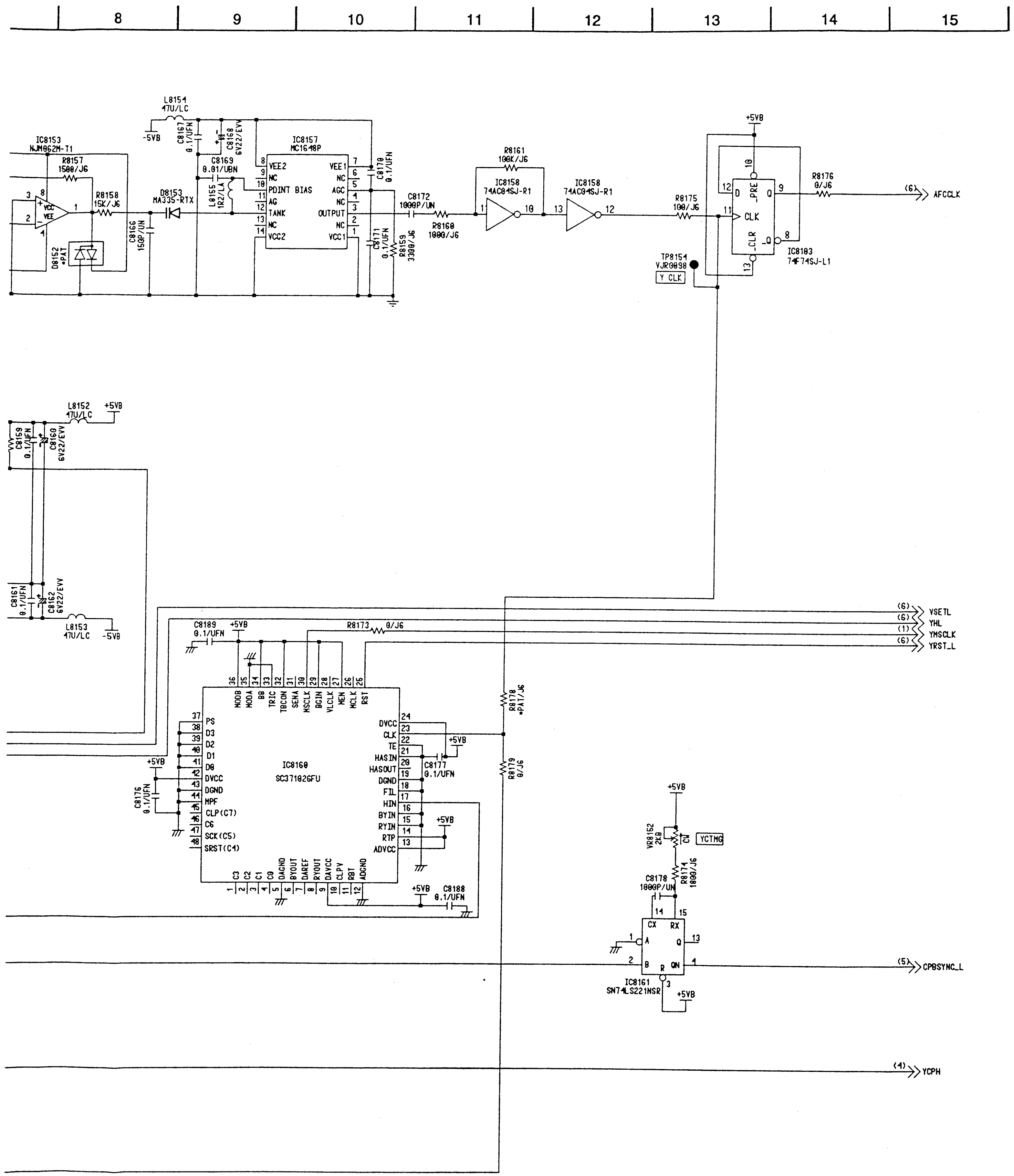
PLAY
REC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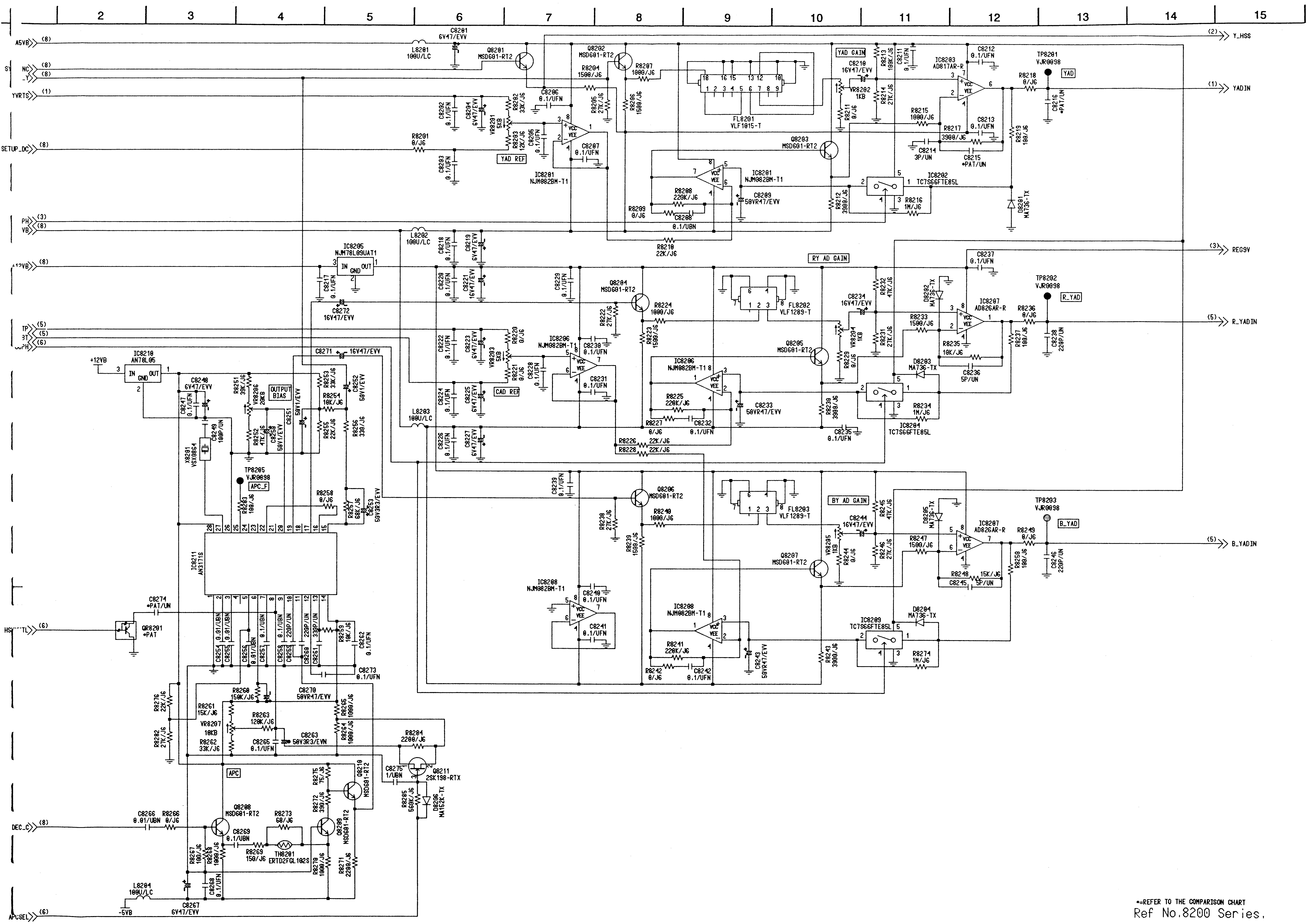
IC8153
NJM062M-T1
R8157
1500/J6
R8158
15K/J6
D8152
D8153
MA335-RTX
C8166
150P/UN
L8154
47U/LC
-5VB
C8167
0.1/UFN
C8168
6V22/EVV
C8169
0.01/UBN
L8155
IC8157
MC1648P
VEE2
NC
PDINT BIAS
AG
TANK
NC
VCC2
VEE1
NC
AGC
NC
OUTPUT
NC
VCC1
C8170
0.1/UFN
C8171
0.1/UFN
R8159
3300/J6
C8172
1000P/UN
R8160
1000/J6
R8161
100K/J6
IC8158
74AC04SJ-R1
R8175
100/J6
+5VB
PRE
CLK
CLR
IC8103
74F74SJ-L1
R8176
0/J6
AFCCLK
TP8154
VJR0098
Y CLK
L8152
47U/LC
+5VB
C8159
0.1/UFN
C8160
6V22/EVV
C8161
0.1/UFN
C8162
6V22/EVV
L8153
47U/LC
-5VB
C8189
0.1/UFN
R8173
0/J6
VSETL
YHL
YHSCLK
YRST_L
IC8160
SC371026FU
C8176
0.1/UFN
C8177
0.1/UFN
C8188
0.1/UFN
R8178
R8179
0/J6
VR8152
2K0
YCTMG
C8178
1000P/UN
R8174
1800/J6
IC8161
SN74LS221NSR
+5VB
CPBSYNC_L
YCPH

Ref NO.8100 Series.

WRITE PLL

REF. NO.	IC8151																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0.5	0	0	0	0	0	-4.9	0	4.3	5.1	5.1	0	0.5	0.5	0.5	5.0				
REC	0.5	0	0	0	0	0	-4.9	0	4.3	5.0	5.0	0	0.5	0.5	0.5	5.0				
REF. NO.	IC8152																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0.5	0.5	1.2	-4.9	0	0	0	9.0												
REC	0.5	0.5	1.2	-4.9	0	0	0	9.0												
REF. NO.	IC8153																			
MODE	1	2	3	4	5	6	7	8												
PLAY	1.7	0	0	-4.9	0	0	-2.1	9.0												
REC	1.7	0	0	-4.9	0	0	-2.1	8.9												
REF. NO.	IC8154																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0	0	0	4.9	1.2	0.5	0.5	8.9												
REC	0	0	0	-4.9	1.2	0.5	0.5	9.0												
REF. NO.	IC8155																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	5.0	5.0	0.1	0	0	1.8	0	4.8	5.0	5.0	4.4	1.2	0	0.9	5.0				
REC	0	5.0	5.0	0.1	0	0	1.8	0	4.8	5.0	5.0	4.4	4.3	0	0.9	5.0				
REF. NO.	IC8156																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	0.2	5.0	4.1	0.1	4.9	1.2	0	0	4.1	5.0	4.2	0.2	4.8	1.0	5.0				
REC	0	0.2	5.0	4.1	0.1	4.9	1.2	0	0	4.1	5.0	4.1	0.1	4.8	0.9	5.0				
REF. NO.	IC8157																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	0	0	-1.2	0	-3.5	0	-4.9	-4.9	0	-3.3	0	-3.3	0	0						
REC	0	0	-1.2	0	-3.5	0	-4.9	-4.9	0	-3.3	0	-3.3	0	0						
REF. NO.	IC8158																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	0	5.0	2.4	2.7	4.1	0.9	0	0.3	4.6	3.5	2.4	3.7	3.5	5.0						
REC	4.4	0	2.4	2.7	4.1	0.9	0	0.3	4.6	3.5	2.4	3.6	3.5	5.0						
REF. NO.	IC8160																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	0	0	0	0	0	1.5	0.3	5.0	3.5	0	0	5.0	5.0	0	0	4.2	0	0	0
REC	0	0	0	0	0	0.3	1.5	0.3	5.0	3.4	2.0	0	5.0	5.0	0	0	4.1	0	0	0
REF. NO.	IC8160																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	0	0	3.5	5.0	3.6	1.9	5.0	1.9	5.0	1.6	0.1	5.0	0	5.0	0	5.0	0	0	0	0
REC	0	0	3.4	5.0	3.5	1.8	5.0	1.8	5.0	1.6	0.1	5.0	0	5.0	0	5.0	0	0	0	0
REF. NO.	IC8160																			
MODE	41	42	43	44	45	46	47	48												
PLAY	0	5.0	0	0	0	0	1.9	3.5												
REC	0	5.0	0	0	0	0	1.8	3.4												
REF. NO.	IC8161																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	4.1	5.0	4.2	0	4.8	1.1	0	0.2	5.0	1.4	4.2	0.1	4.8	1.0	5.0				
REC	0	4.1	5.0	4.2	0	4.8	1.1	0	0.2	5.0	2.0	4.2	0.1	4.8	1.0	5.0				
REF. NO.	Q8151			Q8152			Q8153													
MODE	E	C	B	E	C	B	E	C	B											
PLAY	-4.7	1.2	-4.1	-4.9	-0.2	-4.5	5.0	0.1	4.6											
REC	-4.6	1.2	-4.1	-4.9	-0.2	-4.5	5.0	0.1	4.6											

P & AMP SCHEMATIC DIAGRAM



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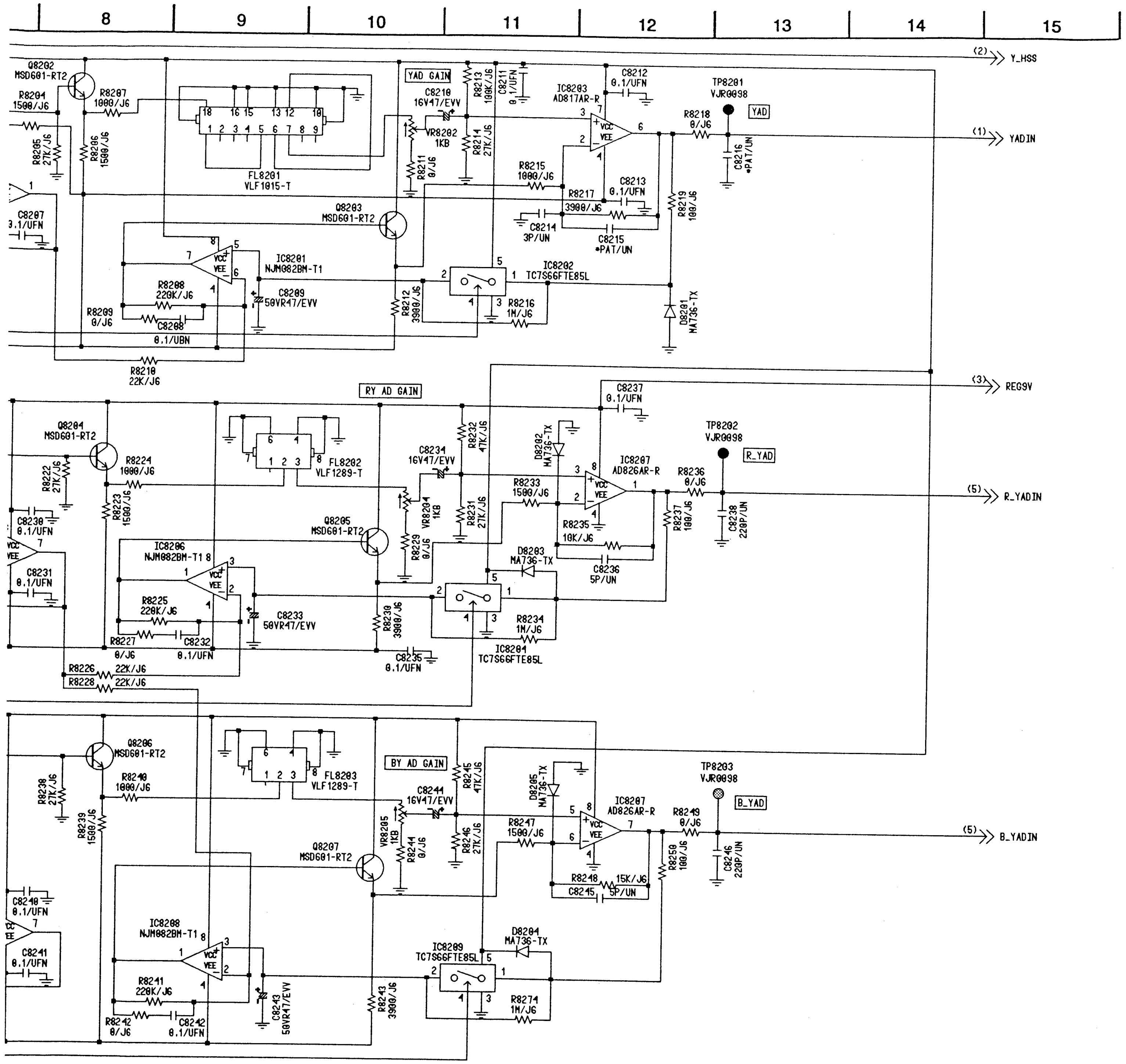
A5VB
NC
YVRTS
SETUP_DC
PH
VB
12VB
TP
PH
HS
DEC_C
APCSEL
-5VB
+12VB
Y_HSS
YADIN
REG9V
R_YADIN
B_YADIN
Q8201 MSD601-RT2
Q8202 MSD601-RT2
Q8203 MSD601-RT2
Q8204 MSD601-RT2
Q8205 MSD601-RT2
Q8206 MSD601-RT2
Q8207 MSD601-RT2
Q8208 MSD601-RT2
Q8209 MSD601-RT2
Q8210 MSD601-RT2
Q8211 2SK198-RTX
QR8201 *PAT
IC8201 NJM082BM-T1
IC8202 TC7S66FTE85L
IC8203 AD817AR-R
IC8204 TC7S66FTE85L
IC8205 NJM78L09UAT1
IC8206 NJM082BM-T1
IC8207 AD826AR-R
IC8208 NJM082BM-T1
IC8209 TC7S66FTE85L
IC8210 AN78L05
IC8211 AN3171S
FL8201 VLF1015-T
FL8202 VLF1289-T
FL8203 VLF1289-T
L8201 100U/LC
L8202 100U/LC
L8203 100U/LC
L8204 100U/LC
TP8201 VJR0098
TP8202 VJR0098
TP8203 VJR0098
TP8205 VJR0098
X8201 VSX0864
TH8201 ERTD2FGL102S
D8201 MA736-TX
D8202 MA736-TX
D8203 MA736-TX
D8204 MA736-TX
D8205 MA736-TX
D8206 MA152K-TX
YAD REF
YAD GAIN
YAD
CAD REF
RY AD GAIN
R_YAD
BY AD GAIN
B_YAD
OUTPUT BIAS
APC_F
APC

*=REFER TO THE COMPARISON CHART

Ref No.8200 Series.

CLAMP & AMP

REF. NO. / MODE		
REF. NO.	Q820	
MODE	E	C
PLAY	0.2	4.8
REC	0.1	4.7
REF. NO.	Q820	
MODE	E	C
PLAY	3.1	9.0
REC	3.1	9.0
REF. NO.		
MODE	1	2
PLAY	0.6	0.6
REC	0.6	0.6
REF. NO.		
MODE	1	2
PLAY	1.3	0.7
REC	1.2	0.7
REF. NO.		
MODE	1	2
PLAY	-4.6	0.8
REC	-4.6	0.8
REF. NO.		
MODE	1	2
PLAY	3.5	3.4
REC	3.4	3.4
REF. NO.	IC820	
MODE	1	2
PLAY	9.0	0
REC	9.0	0
REF. NO.		
MODE	1	2
PLAY	3.7	3.4
REC	3.7	3.4
REF. NO.		
MODE	1	2
PLAY	3.4	3.1
REC	3.4	3.1
REF. NO.		
MODE	1	2
PLAY	3.7	3.4
REC	3.7	3.4
REF. NO.		
MODE	1	2
PLAY	3.5	3.5
REC	3.4	3.4
REF. NO.	IC821	
MODE	1	2
PLAY	4.9	0
REC	4.9	0
REF. NO.		
MODE	1	2
PLAY	0	1.0
REC	0	0.9
REF. NO.		
MODE	21	22
PLAY	0.4	0.3
REC	1.2	0.2
REF. NO.		
MODE	3	3
PLAY	5.1	5.0
REC	5.1	0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Q8202
MSD601-RT2
R8204
1500/J6
R8207
1000/J6
R8205
27K/J6
R8206
1500/J6
C8207
0.1/UFN
FL8201
VLF1015-T
YAD GAIN
C8210
16V47/EVV
VR8202
1KB
R8211
0/J6
R8213
100K/J6
R8214
27K/J6
C8211
0.1/UFN
IC8203
AD817AR-R
C8212
0.1/UFN
TP8201
VJR0098
YAD
R8218
0/J6
C8216
*PAT/UN
(2) Y_HSS
(1) YADIN
R8215
1000/J6
R8217
3900/J6
C8213
0.1/UFN
C8214
3P/UN
C8215
*PAT/UN
R8219
100/J6
Q8203
MSD601-RT2
IC8201
NJM082BM-T1
R8208
220K/J6
C8209
50VR47/EVV
R8209
0/J6
C8208
0.1/UBN
R8210
22K/J6
R8212
3900/J6
IC8202
TC7S66FTE85L
R8216
1M/J6
D8201
MA736-TX
RY AD GAIN
(3) REG9V
C8237
0.1/UFN
Q8204
MSD601-RT2
R8222
27K/J6
R8224
1000/J6
R8223
1500/J6
C8230
0.1/UFN
C8231
0.1/UFN
FL8202
VLF1289-T
C8234
16V47/EVV
VR8204
1KB
R8229
0/J6
R8232
47K/J6
R8231
27K/J6
D8202
MA736-TX
IC8207
AD826AR-R
R8233
1500/J6
R8235
10K/J6
R8236
0/J6
TP8202
VJR0098
R_YAD
(5) R_YADIN
R8237
100/J6
C8238
220P/UN
C8236
5P/UN
D8203
MA736-TX
Q8205
MSD601-RT2
IC8206
NJM082BM-T1
R8225
220K/J6
C8233
50VR47/EVV
R8227
0/J6
C8232
0.1/UFN
R8226
22K/J6
R8228
22K/J6
R8230
3900/J6
C8235
0.1/UFN
R8234
1M/J6
IC8204
TC7S66FTE85L
Q8206
MSD601-RT2
R8238
27K/J6
R8240
1000/J6
R8239
1500/J6
FL8203
VLF1289-T
BY AD GAIN
C8244
16V47/EVV
VR8205
1KB
R8244
0/J6
R8245
47K/J6
R8246
27K/J6
D8205
MA736-TX
IC8207
AD826AR-R
R8247
1500/J6
R8249
0/J6
TP8203
VJR0098
B_YAD
(5) B_YADIN
R8250
100/J6
C8246
220P/UN
R8248
15K/J6
C8245
5P/UN
Q8207
MSD601-RT2
C8240
0.1/UFN
C8241
0.1/UFN
IC8208
NJM082BM-T1
R8241
220K/J6
R8242
0/J6
C8242
0.1/UFN
C8243
50VR47/EVV
R8243
3900/J6
IC8209
TC7S66FTE85L
D8204
MA736-TX
R8274
1M/J6
VCC
VEE

*=REFER TO THE COMPARISON CHART

Ref No.8200 Series.

CLAMP & AMP

REF. NO.	Q8201			Q8202			Q8203			Q8204			Q8205			Q8206		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	0.2	4.8	0.8	0.3	4.8	0.9	0.7	4.7	1.4	-0.8	9.0	-0.2	3.1	9.0	3.7	-0.8	9.0	-0.2
REC	0.1	4.7	0.8	0.2	4.7	0.8	0.7	4.7	1.3	-0.8	9.0	-0.2	3.1	9.0	3.7	-0.8	9.0	-0.2

REF. NO.	Q8207			Q8208			Q8209			Q8210			Q8211		
MODE	E	C	B	G	S	D	E	C	B	E	C	B	1	2	3
PLAY	3.1	9.0	3.7	-0.6	5.0	0	-0.6	3.0	0	4.0	4.9	4.6	2.4	2.9	2.4
REC	3.1	9.0	3.7	-0.6	4.9	0	-0.6	3.0	0	4.0	4.9	4.6	2.4	0	2.4

REF. NO.	IC8201							
MODE	1	2	3	4	5	6	7	8
PLAY	0.6	0.6	0.6	-4.8	0.7	0.7	1.3	4.7
REC	0.6	0.6	0.6	-4.8	0.7	0	0	0

REF. NO.	IC8202				
MODE	1	2	3	4	5
PLAY	1.3	0.7	0	0.1	4.8
REC	1.2	0.7	0	0	4.7

REF. NO.	IC8203							
MODE	1	2	3	4	5	6	7	8
PLAY	-4.6	0.8	0.8	-4.8	0	1.2	4.7	-4.6
REC	-4.6	0.8	0.8	-4.8	0	1.2	4.7	-4.6

REF. NO.	IC8204				
MODE	1	2	3	4	5
PLAY	3.5	3.4	0	0	4.8
REC	3.4	3.4	0	0	4.7

REF. NO.	IC8205		
MODE	1	2	3
PLAY	9.0	0	11.5
REC	9.0	0	11.5

REF. NO.	IC8206							
MODE	1	2	3	4	5	6	7	8
PLAY	3.7	3.4	3.4	-4.8	3.4	3.4	3.4	8.9
REC	3.7	3.4	3.4	-4.8	3.4	3.4	3.4	9.0

REF. NO.	IC8207							
MODE	1	2	3	4	5	6	7	8
PLAY	3.4	3.1	3.1	0	3.2	3.2	3.4	9.0
REC	3.4	3.1	3.1	0	3.1	3.2	3.4	9.0

REF. NO.	IC8208							
MODE	1	2	3	4	5	6	7	8
PLAY	3.7	3.4	3.4	-4.8	0	0	0	9.0
REC	3.7	3.4	3.5	-4.8	0	0	0	9.0

REF. NO.	IC8209				
MODE	1	2	3	4	5
PLAY	3.5	3.5	0	0	4.8
REC	3.4	3.4	0	0	4.8

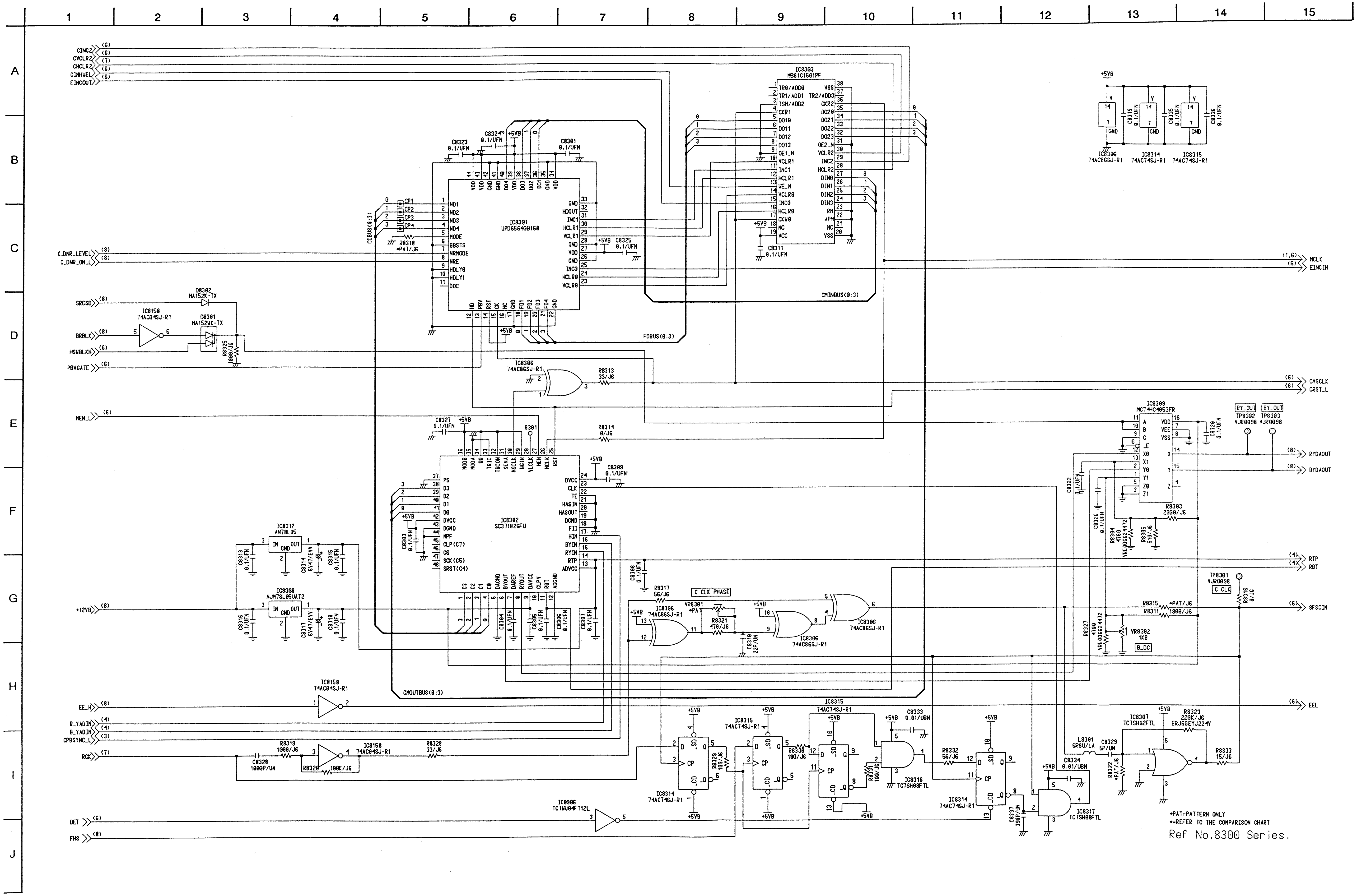
REF. NO.	IC8210		
MODE	1	2	3
PLAY	4.9	0	11.5
REC	4.9	0	11.5

REF. NO.	IC8211																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	1.0	2.5	2.5	2.7	4.7	2.9	3.0	4.7	3.4	3.4	0	4.3	5.0	3.4	0.3	2.8	0	2.9	2.7
REC	0	0.9	2.3	2.4	2.7	4.7	2.9	3.0	4.6	3.3	3.3	0	4.2	4.9	3.3	0.3	2.7	0	2.8	2.7

REF. NO.	IC8211							
MODE	21	22	23	24	25	26	27	28
PLAY	0.4	0.3	2.9	0	2.9	0	2.4	5.0
REC	1.2	0.2	2.9	0	2.9	0	2.4	5.0

REF. NO.	IC8212				
MODE	3	3	3	3	3
PLAY	5.1	5.0	0	5.1	5.1
REC	5.1	0	0	0	5.1

C. MEMORY SCHEMATIC DIAGRAM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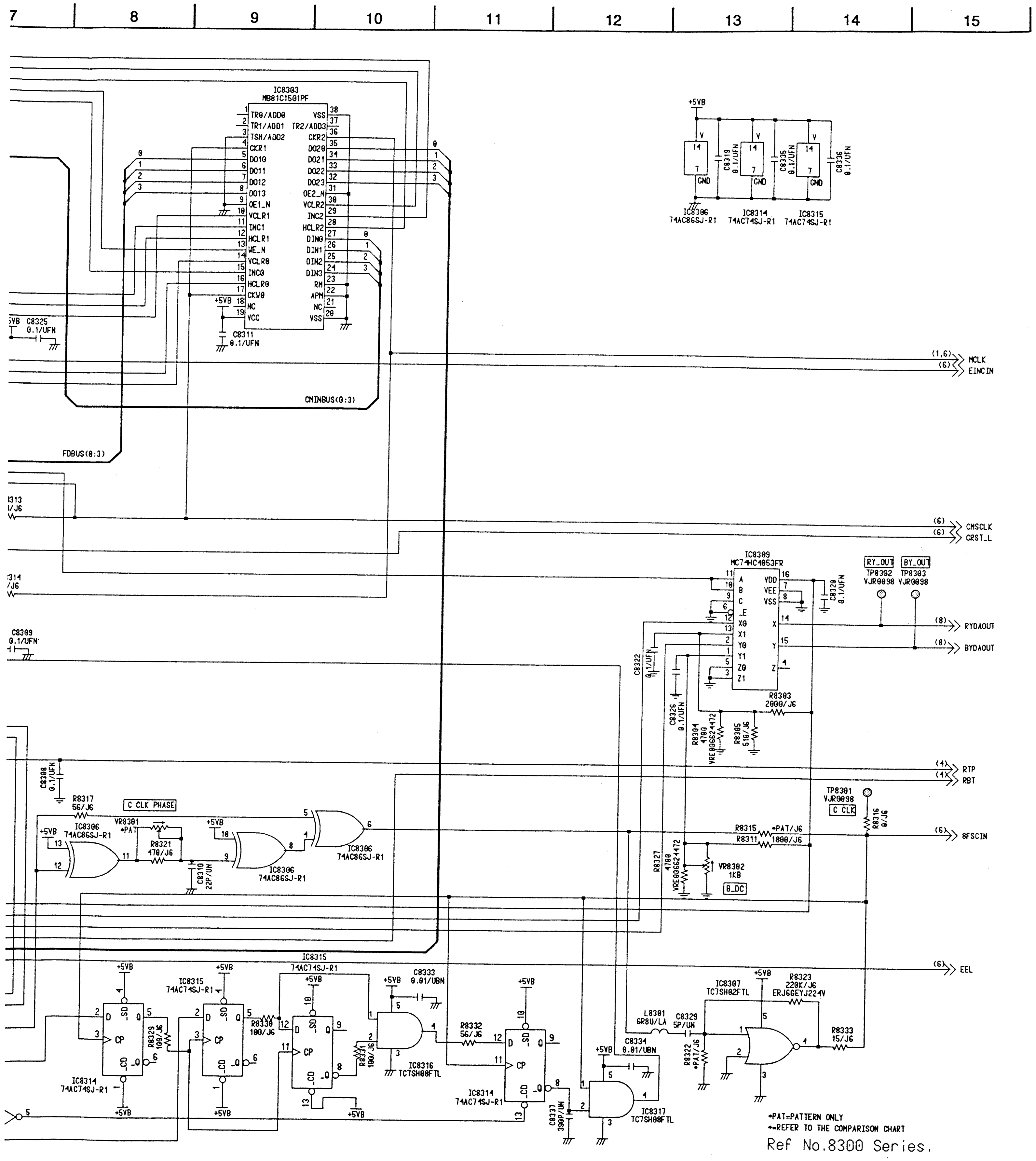
A
B
C
D
E
F
G
H
I
J
CINC2
CVCLR2
CHCLR2
CINHWEL
EINCOUT
C_DNR_LEVEL
C_DNR_ON_L
SRCSD
BRBLK
HSWBLKH
PBVGATE
MEN_L
+12VB
EE_H
R_YADIN
B_YADIN
CPBSYNC_L
RCK
DET
FHS
IC8303
MB81C1501PF
IC8301
UPD6564081G8
IC8302
SC371026FU
IC8309
MC74HC4053FR
IC8312
AN78L05
IC8308
NJM78L05UAT2
IC8158
74AC04SJ-R1
IC8306
74AC86SJ-R1
IC8314
74AC74SJ-R1
IC8315
74AC74SJ-R1
IC8316
TC7SH08FTL
IC8317
TC7SH08FTL
IC8307
TC7SH02FTL
IC8006
TC7WU04FT12L
D8302
MA152K-TX
D8301
MA152WK-TX
CDBUS(0:3)
CMINBUS(0:3)
FDBUS(0:3)
CMOUTBUS(0:3)
C CLK PHASE
B_DC
RY_OUT
BY_OUT
TP8302
TP8303
VJR0098
TP8301
C CLK
MCLK
EINCIN
CMSCLK
CRST_L
RYDAOUT
BYDAOUT
RTP
RBT
8FSCIN
EEL
+5VB
*PAT=PATTERN ONLY
**REFER TO THE COMPARISON CHART
Ref No.8300 Series.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IC8303
MB81C1501PF
IC8309
MC74HC4053FR
IC8306
74AC86SJ-R1
IC8314
74AC74SJ-R1
IC8315
74AC74SJ-R1
IC8316
TC7SH08FTL
IC8317
TC7SH08FTL
IC8307
TC7SH02FTL
FDBUS(0:3)
CMINBUS(0:3)
MCLK
EINCIN
CMSCLK
CRST_L
RYDAOUT
BYDAOUT
RTP
RBT
8FSCIN
EEL
C CLK PHASE
TP8301
VJR0098
C CLK
TP8302
VJR0098
RY_OUT
TP8303
VJR0098
BY_OUT
B_DC
VR8301
VR8302
1KB
L8301
GR8U/LA
+5VB

*PAT=PATTERN ONLY

*=REFER TO THE COMPARISON CHART

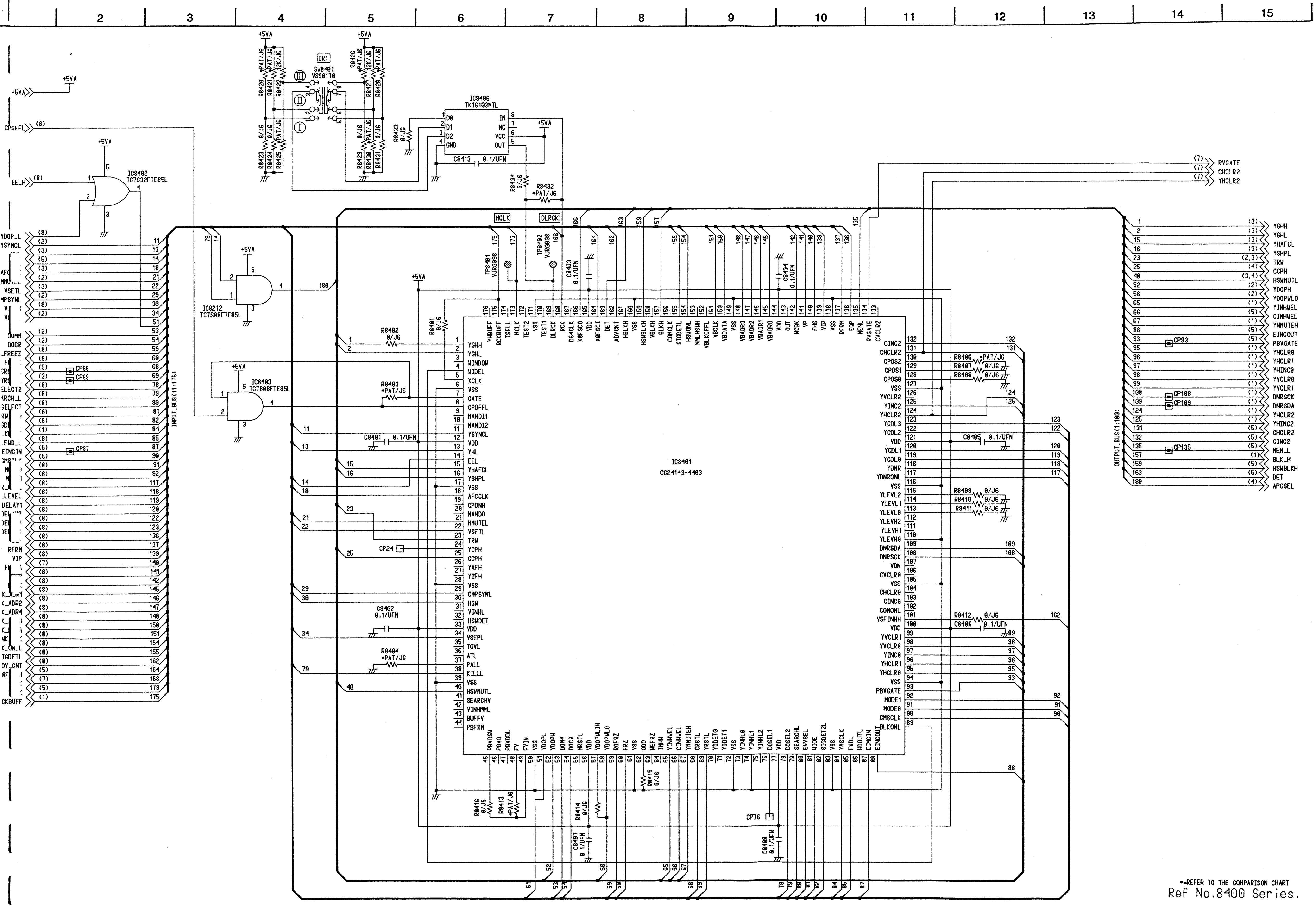
Ref No.8300 Series.

C. MEMORY

REF. NO.	IC8301																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	2.0	2.2	2.1	1.1	5.0	0	5.1	5.1	0	0	5.0	4.9	0	5.0	2.8	0	0	2.1	2.4	0
REC	2.2	2.3	2.2	1.0	5.0	0	5.1	5.1	0	0	5.0	0	0	5.0	2.7	0	0	2.5	2.5	2.5
REF. NO.	IC8301																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	1.5	0	0	0	0	0	5.0	0	0	0	0	5.0	0	5.0	0	2.6	2.9	0.2	5.0	1.9
REC	1.5	0	0	0	0	0	5.0	0	0	0	0	5.0	0	5.0	0	2.9	3.1	2.7	5.0	1.6
REF. NO.	IC8301																			
MODE	41	42	43	44																
PLAY	0	0	5.0	5.0																
REC	0	0	5.0	5.0																
REF. NO.	IC8302																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	1.1	2.1	2.2	2.0	0	0.9	1.5	0.9	4.9	3.5	2.1	0	5.0	5.0	3.5	3.5	4.2	0	0	0
REC	0.9	2.3	2.3	2.2	0	0.8	1.4	0.8	4.9	3.5	2.1	0	5.0	0	3.4	3.4	4.2	0	0	0
REF. NO.	IC8302																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	0	0	4.0	5.0	4.9	1.6	5.1	1.8	5.0	1.8	0	5.0	0	5.0	0	5.0	0	1.5	2.3	2.5
REC	0	0	0	5.0	4.8	1.6	5.1	1.9	5.0	1.9	0.1	5.0	0	5.0	0	5.0	0	1.3	2.5	2.6
REF. NO.	IC8302																			
MODE	41	42	43	44	45	46	47	48												
PLAY	2.2	5.0	0	0	0	0.2	1.8	3.6												
REC	2.4	5.0	0	0	0	1.3	1.9	3.5												
REF. NO.	IC8303																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0.2	0.2	0	2.6	2.2	2.4	2.3 .2	1.5	0	0	0	0	0	0	0	0	2.6	0	5.0	0.3
REC	0.2	0.2	0	2.7	2.5	2.7	2.3	1.3	0	0	0	0	0	0	0	0	2.6	0.1	5.0	0
REF. NO.	IC8303																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
PLAY	0	0	0	1.8	2.8	2.8	2.6	0	0	0	0	1.5	2.3	2.4	2.2	1.6	0.2	0		
REC	0.1	0	0	1.7	2.7	3.0	2.8	0	0	0	0	1.3	2.4	2.7	2.4	1.6	0.2	0		
REF. NO.	IC8306																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	1.8	0	2.8	2.8	2.6	3.8	0	2.8	2.5	5.0	3.0	2.8	5.0	5.0						
REC	1.9	0	2.9	2.9	2.6	3.8	0	2.8	2.6	5.0	2.9	2.8	5.0	5.0						
REF. NO.	IC8307																			
MODE	1	2	3	4	5															
PLAY	2.5	0	0	3.3	5.0															
REC	2.5	0	0	3.1	5.0															
REF. NO.	IC8308																			
MODE	1	2	3																	
PLAY	4.9	0	11.5																	
REC	4.9	0	11.5																	
REF. NO.	IC8309																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0.8	0.8	0	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.8	0.8	4.9				
REC	0.8	0.8	0	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.8	0.8	4.9				
REF. NO.	IC8312																			
MODE	1	2	3																	
PLAY	5.0	0	11.5																	
REC	5.0	0	11.5																	
REF. NO.	IC8314																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	5.0	2.7	3.6	5.0	2.0	2.7	0	0	0	5.0	3.6	0	0	5.0						
REC	5.0	2.7	3.7	5.0	2.7	2.8	0	5.0	0	5.0	3.6	0	0	5.0						
REF. NO.	IC8315																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	5.0	0.3	2.5	5.0	0.3	4.6	0	4.6	0.3	5.0	2.5	0.3	5.0	5.0						
REC	5.0	0.3	2.5	5.0	0.3	4.6	0	4.6	0.3	5.0	2.5	0.3	5.0	5.0						

REF. NO.	IC8316																			
MODE	1	2	3	4	5															
PLAY	0.3	4.7	0	0	5.0															
REC	0.3	4.6	0	0	5.0															
REF. NO.	IC8317																			
MODE	1	2	3	4	5															
PLAY	3.3	5.0	0	3.8	5.0															
REC	3.2	5.0	0	3.6	5.0															

BLOCK SCHEMATIC DIAGRAM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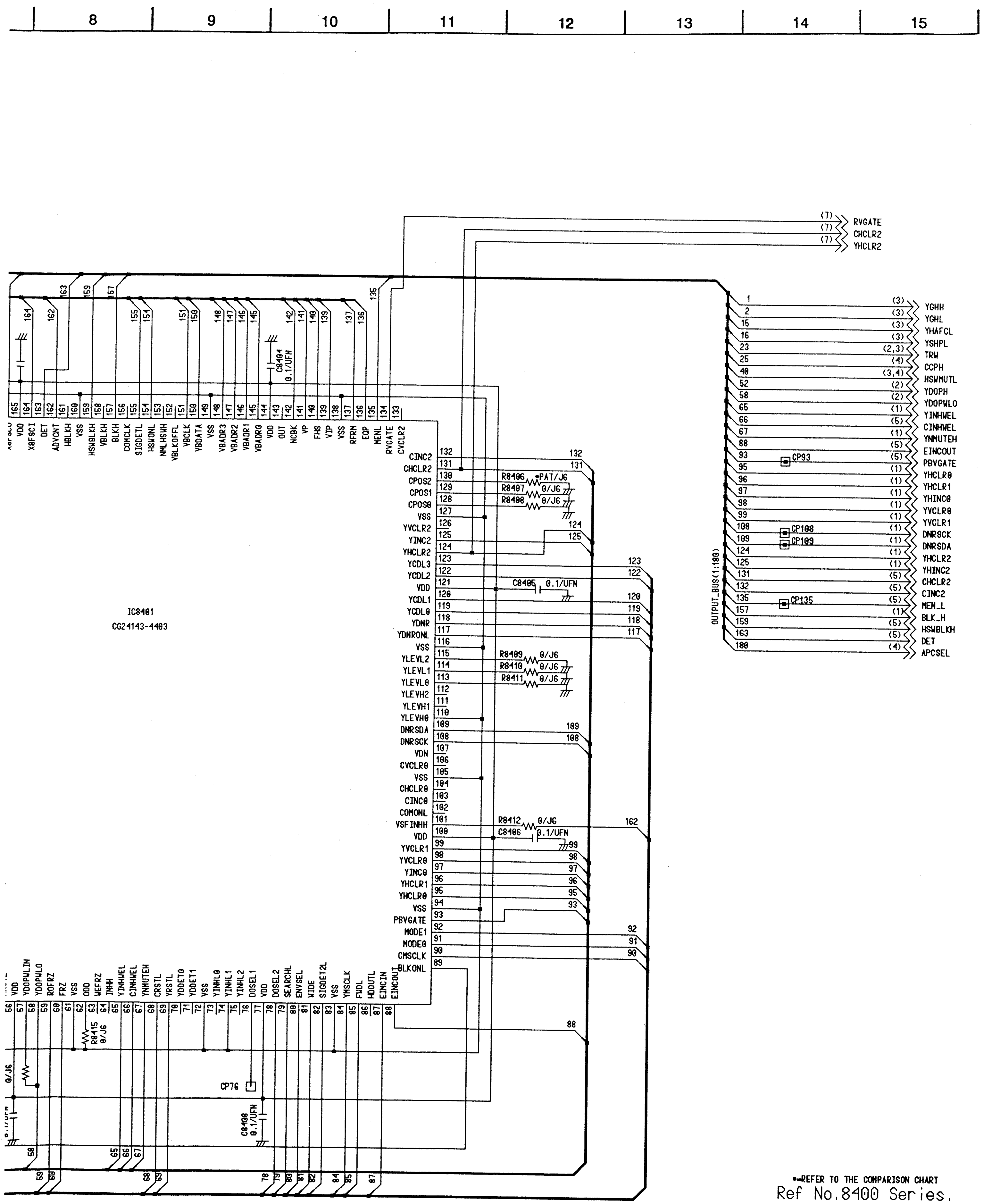
13
14
15
+5VA
DR1
SW8401
VSS0178
IC8406
TK16103MTL
IC8402
TC7S32FTE85L
IC8212
TC7S08FTE85L
IC8403
TC7S08FTE85L
IC8401
CG24143-4403
MCLK
DLRCK
TP8401
VJR0098
TP8402
VJR0098
C8413 0.1/UFN
R8432
*PAT/J6
R8434
0/J6
R8433
0/J6
C8401 0.1/UFN
C8402 0.1/UFN
C8403 0.1/UFN
C8404 0.1/UFN
C8405 0.1/UFN
C8406 0.1/UFN
C8407 0.1/UFN
C8408 0.1/UFN
R8401 0/J6
R8402 0/J6
R8403 *PAT/J6
R8404 *PAT/J6
R8406 *PAT/J6
R8407 0/J6
R8408 0/J6
R8409 0/J6
R8410 0/J6
R8411 0/J6
R8412 0/J6
R8413 *PAT/J6
R8414 0/J6
R8415 0/J6
R8416 0/J6
CP24
CP68
CP69
CP76
CP87
CP93
CP108
CP109
CP135
INPUT_BUS(11:175)
OUTPUT_BUS(1:180)
RVGATE
CHCLR2
YHCLR2
YGHH
YGHL
YHAFCL
YSHPL
TRW
CCPH
HSWMUTL
YDOPH
YDOPWLO
YINHWEL
CINHWEL
YNMUTEH
EINCOUT
PBVGATE
YHCLR0
YHCLR1
YHINC0
YVCLR0
YVCLR1
DNRSCK
DNRSDA
YHCLR2
YHINC2
CHCLR2
CINC2
MEN_L
BLK_H
HSWBLKH
DET
APCSEL
CPOFFL
EE_H
YDOP_L
YSYNCL
DOCR
RFRM
VIP
CKBUFF

*=REFER TO THE COMPARISON CHART

Ref No.8400 Series.

G.A. BLOCK

REF. NO. / MODE	1	2
PLAY	0.2	4.8
REC	0	4.8
REF. NO. / MODE	21	22
PLAY	4.9	0.1
REC	4.9	0.1
REF. NO. / MODE	41	42
PLAY	0	4.6
REC	0	0
REF. NO. / MODE	61	62
PLAY	0	0
REC	0	0
REF. NO. / MODE	81	82
PLAY	5.1	0
REC	5.1	0
REF. NO. / MODE	101	102
PLAY	0	0
REC	0	5.1
REF. NO. / MODE	121	122
PLAY	5.1	0
REC	5.1	0
REF. NO. / MODE	141	142
PLAY	0	0.9
REC	0	0.9
REF. NO. / MODE	161	162
PLAY	0.9	0
REC	0.9	0
REF. NO. / MODE	1	2
PLAY	0	5.1
REC	4.7	0
REF. NO. / MODE	1	2
PLAY	4.8	5.1
REC	0	5.1
REF. NO. / MODE	1	2
PLAY	0	0
REC	0	0


8
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13
14
15
IC8401
CG24143-4403
RVGATE
CHCLR2
YHCLR2
YGHH
YGHL
YHAFCL
YSHPL
TRW
CCPH
HSWMUTL
YDOPH
YDOPWLO
YINHWEL
CINHWEL
YNMUTEH
EINCOUT
PBVGATE
YHCLR0
YHCLR1
YHINC0
YVCLR0
YVCLR1
DNRSCK
DNRSDA
YHCLR2
YHINC2
CHCLR2
CINC2
MEN_L
BLK_H
HSWBLKH
DET
APCSEL
OUTPUT_BUS(1:180)
CP93
CP108
CP109
CP135
CP76
R8406 *PAT/J6
R8407 0/J6
R8408 0/J6
R8409 0/J6
R8410 0/J6
R8411 0/J6
R8412 0/J6
R8415 0/J6
C8404 0.1/UFN
C8405 0.1/UFN
C8406 0.1/UFN
C8408 0.1/UFN
CINC2
CHCLR2
CPOS2
CPOS1
CPOS0
VSS
YVCLR2
YINC2
YHCLR2
YCDL3
YCDL2
VDD
YCDL1
YCDL0
YDNR
YDNRONL
VSS
YLEVL2
YLEVL1
YLEVL0
YLEVH2
YLEVH1
YLEVH0
DNRSDA
DNRSCK
VDN
CVCLR0
VSS
CHCLR0
CINC0
COMONL
VSFINHH
VDD
YVCLR1
YVCLR0
YINC0
YHCLR1
YHCLR0
VSS
PBVGATE
MODE1
MODE0
CMSCLK
BLKONL
VDD
XBFSCI
DET
ADVCNT
HBLKH
VSS
HSWBLKH
VBLKH
BLKH
COMCLK
SIGDETL
HSWONL
NMLHSWH
VBLKOFFL
VBCLK
VBDATA
VSS
VBADR3
VBADR2
VBADR1
VBADR0
VDD
OUT
NCBK
VP
FHS
VIP
VSS
RFRM
EOP
MENL
RVGATE
CVCLR2
VDD
YDOPWLIN
YDOPWLO
ROFRZ
FRZ
VSS
ODD
WEFRZ
INHH
YINHWEL
CINHWEL
YNMUTEH
CRSTL
YRSTL
YDDET0
YDDET1
VSS
YINHL0
YINHL1
YINHL2
DOSEL1
VDD
DOSEL2
SEARCHL
ENVSEL
WIDE
SIGDET2L
VSS
YMSCLK
FWDL
HDOUTL
EIMCIN
EINCOUT

*-REFER TO THE COMPARISON CHART
Ref No.8400 Series.

G.A. BLOCK

REF. NO.	IC8401																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0.2	4.8	0	5.1	2.6	0	4.9	0	5.1	5.1	4.1	0	0	0	5.1	5.1	0	2.3	0	0
REC	0	4.8	0	5.1	2.6	0	4.9	4.9	5.1	5.1	4.1	5.1	4.4	0	5.0	0	0	2.3	0	0

REF. NO.	IC8401																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	4.9	0.1	2.5	0	0	0.3	2.5	0	4.6	2.3	5.1	0	5.1	5.0	5.1	5.1	5.1	5.1	0	4.9
REC	4.9	0.1	2.5	0	0	0	2.5	0	4.6	4.8	0	0	0	4.9	5.1	5.1	0	5.1	0	4.9

REF. NO.	IC8401																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
PLAY	0	4.6	0	5.1	0	0	0	0	0	0	5.1	0	0	0	5.1	5.1	5.1	5.1	0	0
REC	0	0	0	5.1	0	0	0	0	0	0	5.1	0	0	0	5.1	5.1	5.1	5.1	0	0

REF. NO.	IC8401																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
PLAY	0	0	0	0	0	0	0	4.9	3.5	0	0	0	5.1	0	5.1	0	5.1	0	5.1	0
REC	0	0	0	0	0	0	0	4.9	3.5	0	0	0	5.1	0	5.1	0	5.1	0	5.1	0

REF. NO.	IC8401																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
PLAY	5.1	0	0	2.6	0	5.1	0	0	5.1	2.7	0	0	0	0	0	0	0	0	0	5.1
REC	5.1	0	0	2.7	0	5.1	0	0	5.1	0	0	0	0	0	0	0	0	0	0	5.1

REF. NO.	IC8401																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
PLAY	0	0	0	0	0	0	5.1	5.1	0	0	5.1	5.1	0	0	0	0	5.1	5.1	0	0
REC	0	5.1	0	0	0	0	0.1	5.1	0	0	0	5.1	0	0	0	0	5.1	5.1	0	0

REF. NO.	IC8401																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
PLAY	5.1	0	5.1	0	0	0	0	0	0	5.1	0	0	0	0	5.1	0.3	2.9	0	0	0.3
REC	5.1	0	5.1	0	0	0	0	0	0	5.1	0	0	0	0	5.1	0.3	4.6	0	0	0.3

REF. NO.	IC8401																			
MODE	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
PLAY	0	0.9	0	5.1	0.5	0	4.7	0	0	0	0	5.1	5.1	5.1	0	0	0.9	0	0	0
REC	0	0.9	0	5.1	5.1	5.1	0	5.1	0	0	0	5.1	5.1	5.1	0	0	0.9	0	0	0

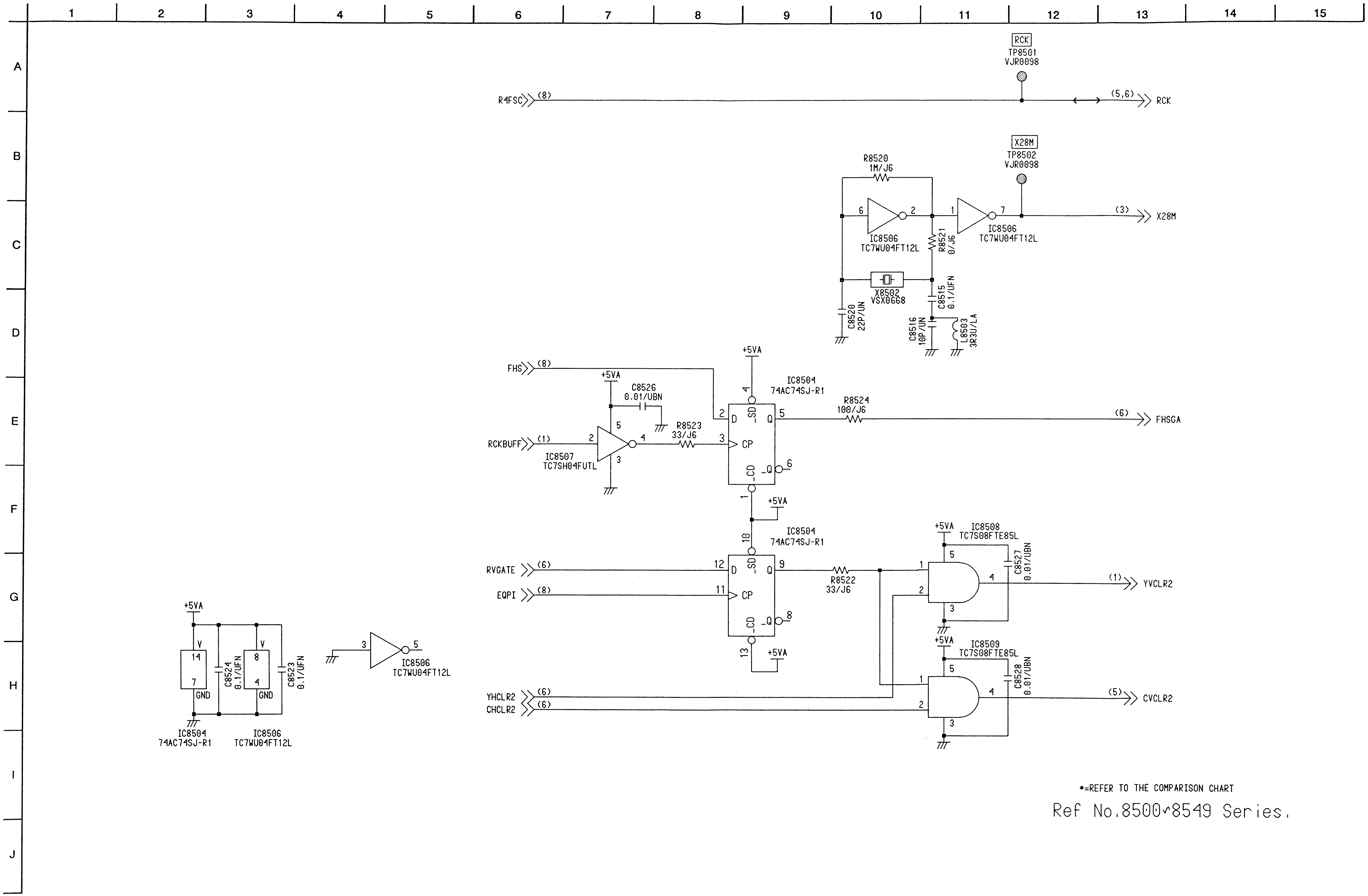
REF. NO.	IC8401																			
MODE	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176				
PLAY	0.9	0	5.1	3.5	5.1	3.8	2.5	2.7	2.5	5.1	0	5.1	1.6	5.1	2.6	0.2				
REC	0.9	0	5.1	3.6	5.1	3.9	2.5	2.7	2.5	5.1	0	5.1	1.6	5.1	2.6	0.2				

REF. NO.	IC8402																			
MODE	1	2	3	4	5															
PLAY	0	5.1	0	5.1	5.1															
REC	4.7	0	0	5.1	5.1															

REF. NO.	IC8403																			
MODE	1	2	3	4	5															
PLAY	4.8	5.1	0	4.8	5.1															
REC	0	5.1	0	0	5.1															

REF. NO.	IC8406																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0	0	0	0	2.4	5.1	0	2.8												
REC	0	0	0	0	2.4	5.1	0	2.7												

READ CLK GEN SCHEMATIC DIAGRAM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11
12
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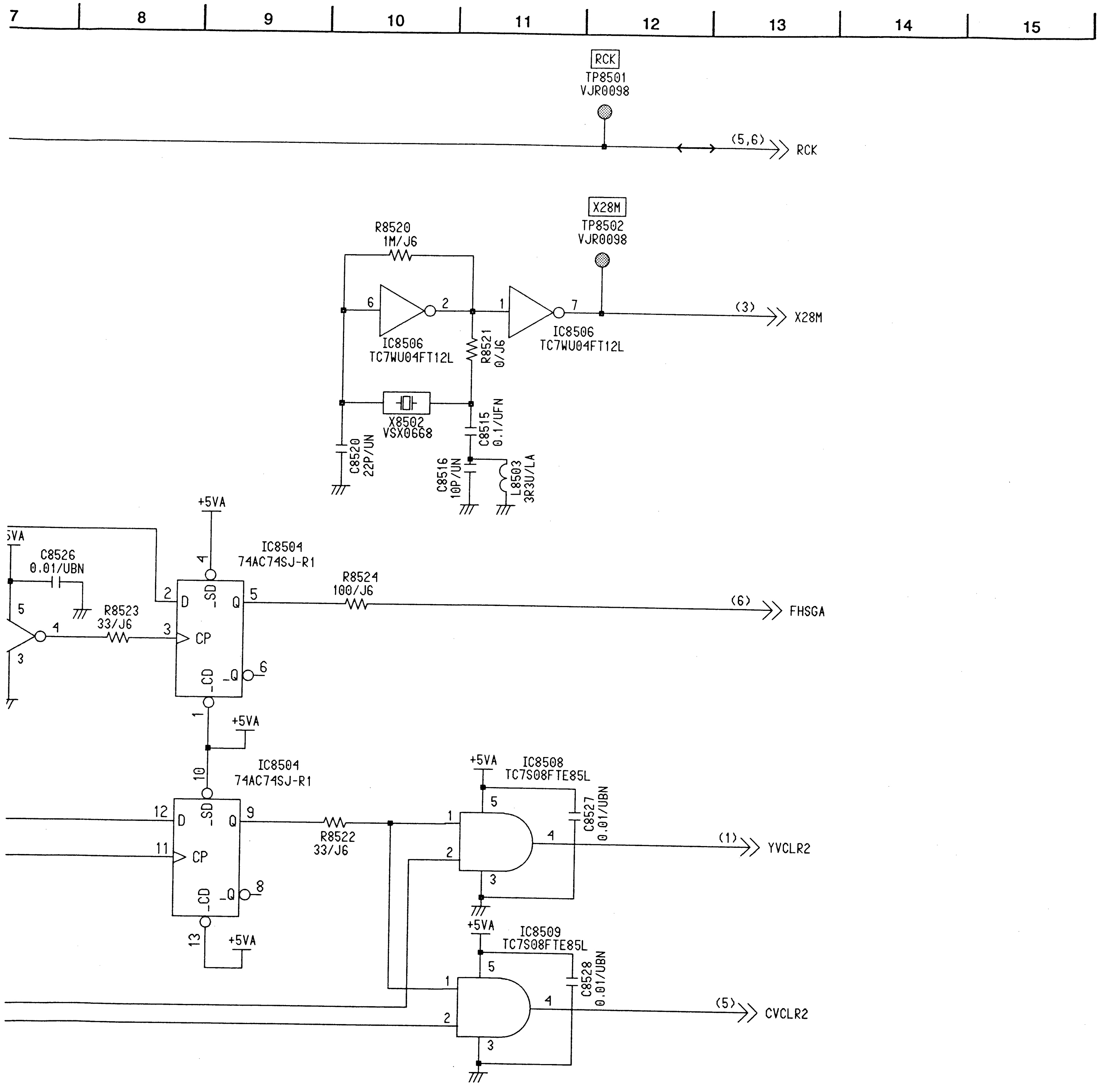
14
15
A
B
C
D
E
F
G
H
I
J
RCK
TP8501
VJR0098
R4FSC
(8)
(5,6)
RCK
X28M
TP8502
VJR0098
R8520
1M/J6
6
2
1
7
IC8506
TC7WU04FT12L
R8521
0/J6
IC8506
TC7WU04FT12L
(3)
X28M
X8502
VSX0668
C8515
0.1/UFN
C8520
22P/UN
C8516
10P/UN
L8503
3R3U/LA
+5VA
FHS
(8)
+5VA
C8526
0.01/UBN
IC8504
74AC74SJ-R1
4
2
D
_SD
Q
5
R8524
100/J6
(6)
FHSGA
RCKBUFF
(1)
2
5
4
R8523
33/J6
3
CP
IC8507
TC7SH04FUTL
3
_CD
_Q
6
1
+5VA
10
IC8504
74AC74SJ-R1
+5VA
IC8508
TC7S08FTE85L
RVGATE
(6)
12
D
_SD
Q
9
R8522
33/J6
1
5
4
C8527
0.01/UBN
(1)
YVCLR2
EQPI
(8)
11
CP
2
3
_CD
_Q
8
13
+5VA
+5VA
IC8509
TC7S08FTE85L
5
C8528
0.01/UBN
1
4
(5)
CVCLR2
YHCLR2
(6)
CHCLR2
(6)
2
3
+5VA
V
14
7
GND
C8524
0.1/UFN
V
8
4
GND
C8523
0.1/UFN
IC8504
74AC74SJ-R1
IC8506
TC7WU04FT12L
3
5
IC8506
TC7WU04FT12L

*=REFER TO THE COMPARISON CHART

Ref No.8500~8549 Series.

READ C

REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
PLAY
REC


7
8
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11
12
13
14
15
RCK
TP8501
VJR0098
(5,6)
RCK
X28M
TP8502
VJR0098
R8520
1M/J6
6
2
1
7
(3)
X28M
IC8506
TC7WU04FT12L
R8521
0/J6
IC8506
TC7WU04FT12L
X8502
VSX0668
C8515
0.1/UFN
C8520
22P/UN
C8516
10P/UN
L8503
3R3U/LA
+5VA
5VA
C8526
0.01/UBN
IC8504
74AC74SJ-R1
R8524
100/J6
R8523
33/J6
D
_SD
Q
CP
_CD
_Q
(6)
FHSGA
+5VA
IC8504
74AC74SJ-R1
12
11
10
9
8
13
R8522
33/J6
+5VA
IC8508
TC7S08FTE85L
C8527
0.01/UBN
(1)
YVCLR2
+5VA
IC8509
TC7S08FTE85L
C8528
0.01/UBN
(5)
CVCLR2

*=REFER TO THE COMPARISON CHART

Ref No.8500~8549 Series.

READ CLK GEN

REF. NO. / MODE	IC8504													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	5.1	0.3	2.6	5.1	0.3	4.7	0	5.0	0	5.1	4.7	0	5.1	5.1
REC	5.1	0.3	2.6	5.1	0.3	4.7	0	5.1	0	5.1	4.7	0	5.1	5.1

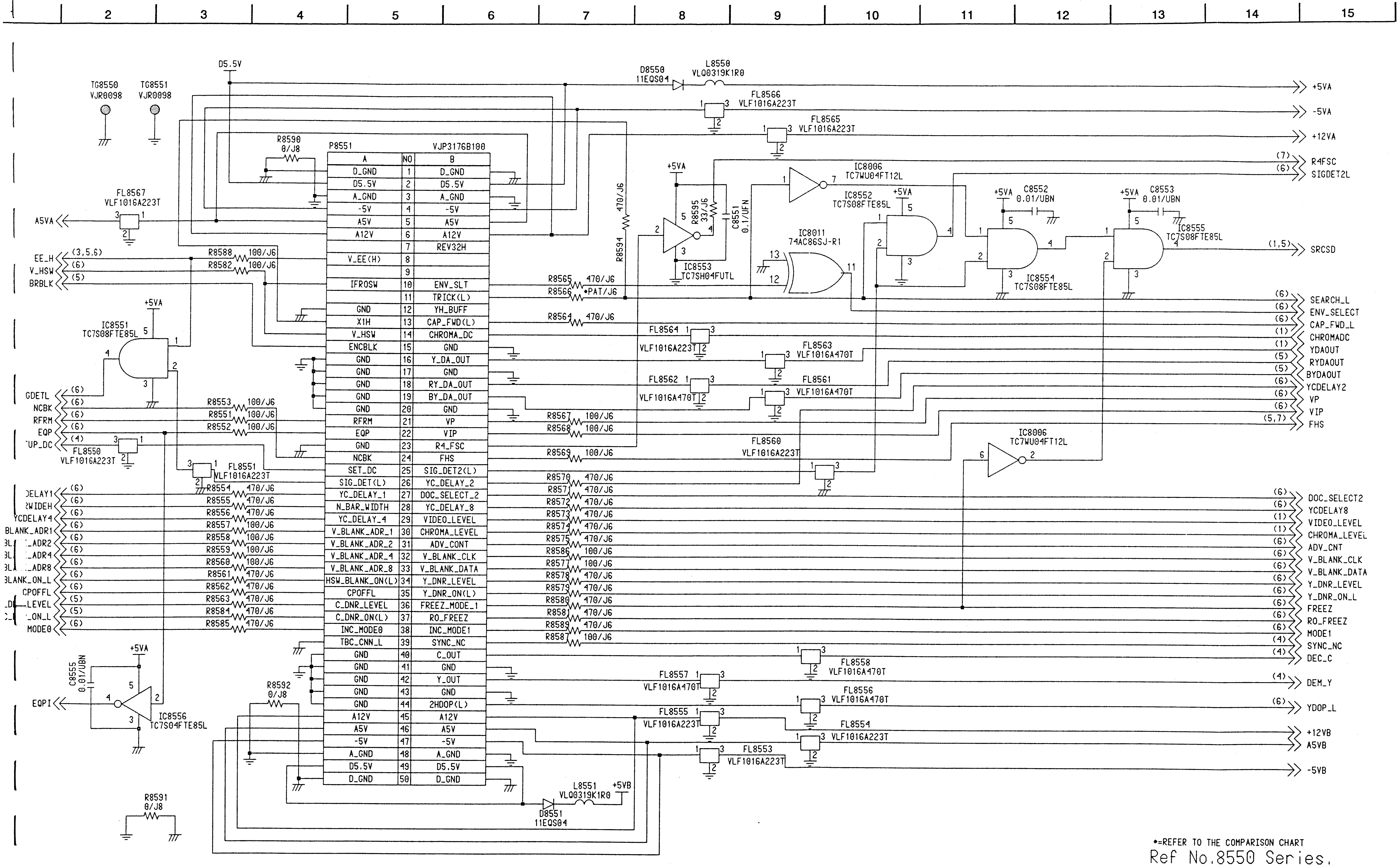
REF. NO. / MODE	IC8506							
	1	2	3	4	5	6	7	8
PLAY	2.9	2.9	0	0	5.1	2.5	3.3	5.1
REC	2.9	2.9	0	0	5.1	2.5	3.1	5.1

REF. NO. / MODE	IC8507				
	1	2	3	4	5
PLAY	0	2.6	0	2.6	5.1
REC	0	2.6	0	2.6	5.1

REF. NO. / MODE	IC8508				
	1	2	3	4	5
PLAY	0	0	0	0	5.1
REC	0	0	0	0	5.1

REF. NO. / MODE	IC8509				
	1	2	3	4	5
PLAY	0	0	0	0	5.1
REC	0	0	0	0	5.1

CONNECTION SCHEMATIC DIAGRAM



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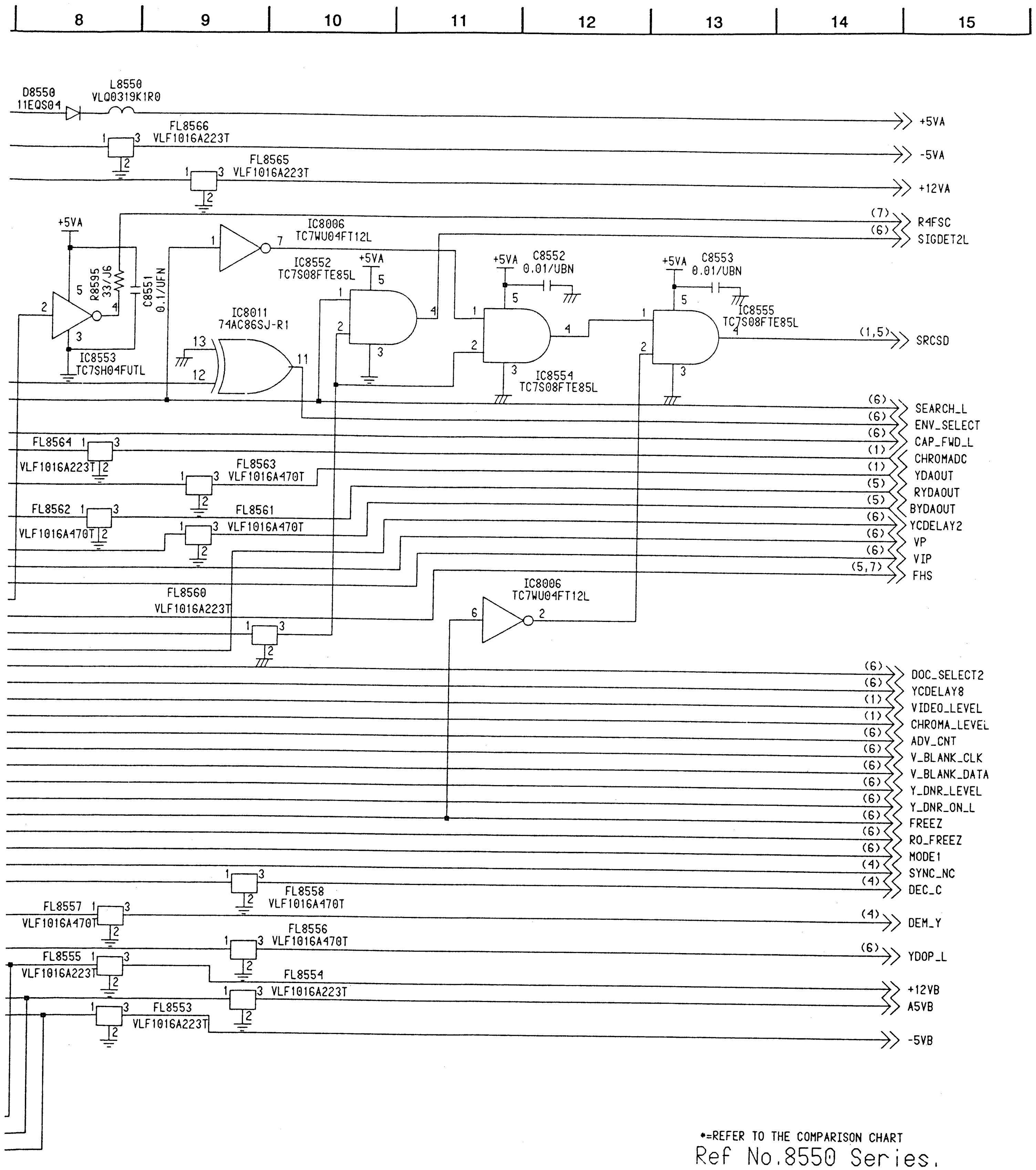
14
15
D5.5V
TG8550 VJR0098
TG8551 VJR0098
D8550 11EQS04
L8550 VLQ0319K1R0
FL8566 VLF1016A223T
FL8565 VLF1016A223T
+5VA
-5VA
+12VA
R8590 0/J8
P8551
VJP3176B100
A
NO
B
D_GND
D5.5V
A_GND
-5V
A5V
A12V
REV32H
V_EE(H)
IFROSW
ENV_SLT
TRICK(L)
GND
YH_BUFF
X1H
CAP_FWD(L)
V_HSW
CHROMA_DC
ENCBLK
Y_DA_OUT
RY_DA_OUT
BY_DA_OUT
RFRM
VP
EQP
VIP
R4_FSC
NCBK
FHS
SET_DC
SIG_DET2(L)
SIG_DET(L)
YC_DELAY_2
YC_DELAY_1
DOC_SELECT_2
N_BAR_WIDTH
YC_DELAY_8
YC_DELAY_4
VIDEO_LEVEL
V_BLANK_ADR_1
CHROMA_LEVEL
V_BLANK_ADR_2
ADV_CONT
V_BLANK_ADR_4
V_BLANK_CLK
V_BLANK_ADR_8
V_BLANK_DATA
HSW_BLANK_ON(L)
Y_DNR_LEVEL
CPOFFL
Y_DNR_ON(L)
C_DNR_LEVEL
FREEZ_MODE_1
C_DNR_ON(L)
RO_FREEZ
INC_MODE0
INC_MODE1
TBC_CNN_L
SYNC_NC
C_OUT
Y_OUT
2HDOP(L)
FL8567 VLF1016A223T
A5VA
EE_H (3,5,6)
V_HSW (6)
BRBLK (5)
R8588 100/J6
R8582 100/J6
IC8551 TC7S08FTE85L
+5VA
GDETL (6)
NCBK (6)
RFRM (6)
EQP (6)
UP_DC (4)
FL8550 VLF1016A223T
R8553 100/J6
R8551 100/J6
R8552 100/J6
FL8551 VLF1016A223T
R8554 470/J6
R8555 470/J6
R8556 470/J6
R8557 100/J6
R8558 100/J6
R8559 100/J6
R8560 100/J6
R8561 470/J6
R8562 470/J6
R8563 470/J6
R8584 470/J6
R8585 470/J6
C8555 0.01/UBN
IC8556 TC7S04FTE85L
EQPI
R8592 0/J8
R8591 0/J8
L8551 VLQ0319K1R0
+5VB
D8551 11EQS04
R8594 470/J6
R8595 33/J6
C8551 0.1/UFN
IC8553 TC7SH04FUTL
IC8006 TC7WU04FT12L
IC8011 74AC86SJ-R1
IC8552 TC7S08FTE85L
C8552 0.01/UBN
IC8554 TC7S08FTE85L
C8553 0.01/UBN
IC8555 TC7S08FTE85L
R8565 470/J6
R8566 *PAT/J6
R8564 470/J6
FL8564 VLF1016A223T
FL8563 VLF1016A470T
FL8562 VLF1016A470T
FL8561 VLF1016A470T
R8567 100/J6
R8568 100/J6
R8569 100/J6
FL8560 VLF1016A223T
R8570 470/J6
R8571 470/J6
R8572 470/J6
R8573 470/J6
R8574 470/J6
R8575 470/J6
R8586 100/J6
R8577 100/J6
R8578 470/J6
R8579 470/J6
R8580 470/J6
R8581 470/J6
R8589 470/J6
R8587 100/J6
FL8558 VLF1016A470T
FL8557 VLF1016A470T
FL8556 VLF1016A470T
FL8555 VLF1016A223T
FL8554 VLF1016A223T
FL8553 VLF1016A223T
(7) R4FSC
(6) SIGDET2L
(1,5) SRCSD
(6) SEARCH_L
(6) ENV_SELECT
(6) CAP_FWD_L
(1) CHROMADC
(1) YDAOUT
(5) RYDAOUT
(5) BYDAOUT
(6) YCDELAY2
(6) VP
(6) VIP
(5,7) FHS
(6) DOC_SELECT2
(6) YCDELAY8
(1) VIDEO_LEVEL
(1) CHROMA_LEVEL
(6) ADV_CNT
(6) V_BLANK_CLK
(6) V_BLANK_DATA
(6) Y_DNR_LEVEL
(6) Y_DNR_ON_L
(6) FREEZ
(6) RO_FREEZ
(6) MODE1
(4) SYNC_NC
(4) DEC_C
(4) DEM_Y
(6) YDOP_L
+12VB
A5VB
-5VB

*=REFER TO THE COMPARISON CHART

Ref No.8550 Series.

TBC1 CONNEC

REF. NO. / MODE	1	2
PLAY	0	0
REC	4.8	4.8
REF. NO. / MODE	1	2
PLAY	5.1	0.1
REC	5.1	4.5
REF. NO. / MODE	1	2
PLAY	0	2.3
REC	0	2.2
REF. NO. / MODE	1	2
PLAY	0	0.1
REC	0	0.1
REF. NO. / MODE	1	2
PLAY	0	5.1
REC	0	5.1
REF. NO. / MODE	1	2
PLAY	0	0.3
REC	0	0.3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14
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D8550
11EQS04
L8550
VLQ0319K1R0
FL8566
VLF1016A223T
FL8565
VLF1016A223T
+5VA
-5VA
+12VA
IC8006
TC7WU04FT12L
R4FSC
SIGDET2L
R8595
33/J6
C8551
0.1/UFN
IC8552
TC7S08FTE85L
+5VA
C8552
0.01/UBN
C8553
0.01/UBN
IC8555
TC7S08FTE85L
IC8011
74AC86SJ-R1
IC8553
TC7SH04FUTL
IC8554
TC7S08FTE85L
SRCSD
SEARCH_L
ENV_SELECT
CAP_FWD_L
CHROMADC
YDAOUT
RYDAOUT
BYDAOUT
YCDELAY2
VP
VIP
FHS
FL8564
VLF1016A223T
FL8563
VLF1016A470T
FL8562
VLF1016A470T
FL8561
VLF1016A470T
FL8560
VLF1016A223T
IC8006
TC7WU04FT12L
DOC_SELECT2
YCDELAY8
VIDEO_LEVEL
CHROMA_LEVEL
ADV_CNT
V_BLANK_CLK
V_BLANK_DATA
Y_DNR_LEVEL
Y_DNR_ON_L
FREEZ
RO_FREEZ
MODE1
SYNC_NC
DEC_C
FL8558
VLF1016A470T
FL8557
VLF1016A470T
DEM_Y
FL8556
VLF1016A470T
YDOP_L
FL8555
VLF1016A223T
FL8554
VLF1016A223T
+12VB
A5VB
FL8553
VLF1016A223T
-5VB

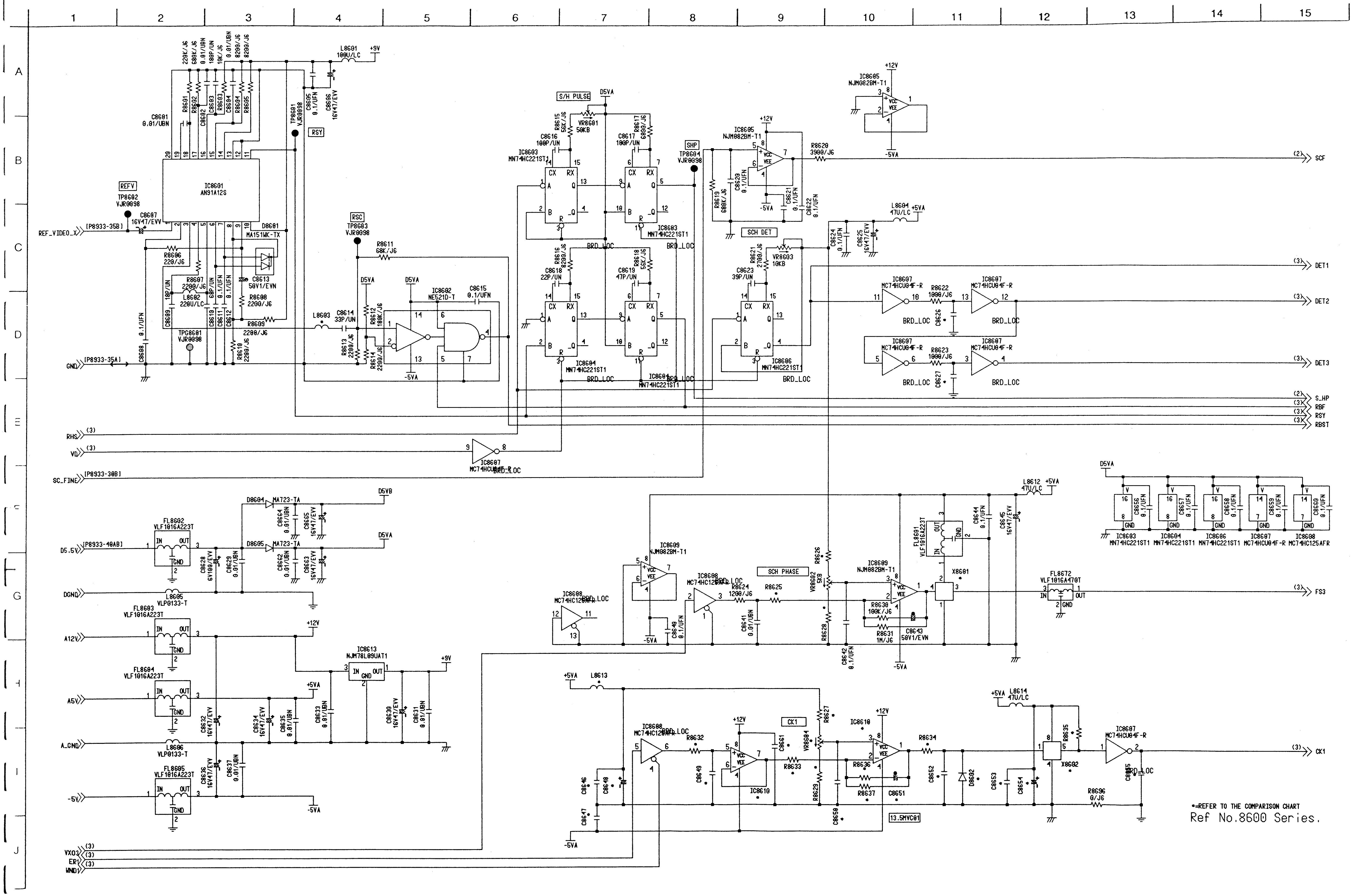
*=REFER TO THE COMPARISON CHART

Ref No.8550 Series.

TBC1 CONNECTION

REF. NO. / MODE	IC8551				
	1	2	3	4	5
PLAY	0	0	0	0	5.1
REC	4.8	4.8	0	5.1	5.1
REF. NO. / MODE	**IC8552**				
	1	2	3	4	5
PLAY	5.1	0.1	0	0	5.1
REC	5.1	4.5	0	5.1	5.1
REF. NO. / MODE	**IC8553**				
	1	2	3	4	5
PLAY	0	2.3	0	2.7	5.1
REC	0	2.2	0	2.7	5.1
REF. NO. / MODE	**IC8554**				
	1	2	3	4	5
PLAY	0	0.1	0	0	5.1
REC	0	0.1	0	0	5.1
REF. NO. / MODE	**IC8555**				
	1	2	3	4	5
PLAY	0	5.1	0	0	5.1
REC	0	5.1	0	0	5.1
REF. NO. / MODE	**IC8556**				
	1	2	3	4	5
PLAY	0	0.3	0	4.7	5.1
REC	0	0.3	0	4.7	5.1

SYNC GEN (1) SCHEMATIC DIAGRAM 1/6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13
14
15
A
B
C
D
E
F
G
H
I
J
IC8601
AN91A12S
L8601
100U/LC
+9V
TP8601
VJR0098
RSY
REFV
TP8602
VJR0098
C8607
16V47/EVV
REF_VIDEO_X
[P8933-35B]
D8601
MA151WK-TX
R8606
220/J6
R8607
2200/J6
L8602
220U/LC
C8613
50V1/EVN
R8608
2200/J6
R8609
2200/J6
TPC8601
VJR0098
GND
[P8933-35A]
RSC
TP8603
VJR0098
R8611
68K/J6
D5VA
IC8602
NE521D-T
C8615
0.1/UFN
L8603
C8614
33P/UN
R8612
100K/J6
R8613
2200/J6
R8614
2200/J6
-5VA
S/H PULSE
R8615
56K/J6
VR8601
50KB
C8616
100P/UN
IC8603
MN74HC221ST1
C8617
100P/UN
R8617
6800/J6
SHP
TP8604
VJR0098
BRD_LOC
R8616
8200/J6
C8618
22P/UN
R8618
56K/J6
C8619
47P/UN
IC8604
MN74HC221ST1
IC8605
NJM082BM-T1
+12V
R8619
680K/J6
C8620
0.1/UFN
C8621
0.1/UFN
C8622
0.1/UFN
R8620
3900/J6
SCF
SCH DET
R8621
2700/J6
VR8603
10KB
C8623
39P/UN
IC8606
MN74HC221ST1
L8604
47U/LC
+5VA
C8624
0.1/UFN
C8625
16V47/EVV
DET1
IC8607
MC74HCU04F-R
R8622
1000/J6
C8626
DET2
R8623
1000/J6
C8627
DET3
S_HP
RBF
RSY
RBST
RHS
VD
IC8607
MC74HCU04F-R
SC_FINE
[P8933-30B]
D8604
MA723-TA
D5VB
C8664
0.01/UBN
C8665
16V47/EVV
FL8602
VLF1016A223T
D5.5V
[P8933-40AB]
D8605
MA723-TA
D5VA
C8628
6V100/EVV
C8629
0.01/UBN
C8662
0.01/UBN
C8663
16V47/EVV
DGND
L8605
VLP0133-T
FL8603
VLF1016A223T
A12V
+12V
IC8613
NJM78L09UAT1
+9V
FL8604
VLF1016A223T
A5V
+5VA
C8632
16V47/EVV
C8634
16V47/EVV
C8635
0.01/UBN
C8633
0.01/UBN
C8630
16V47/EVV
C8631
0.01/UBN
A_GND
L8606
VLP0133-T
FL8605
VLF1016A223T
C8636
16V47/EVV
C8637
0.01/UBN
-5V
-5VA
VXO3
ERY
WNDY
IC8609
NJM082BM-T1
IC8608
MC74HC125AFR
SCH PHASE
R8624
1200/J6
R8625
C8640
0.1/UFN
C8641
0.01/UBN
R8626
VR8602
5KB
R8628
C8642
0.1/UFN
R8630
100K/J6
R8631
1M/J6
C8643
50V1/EVN
L8612
47U/LC
FL8601
VLF1016A223T
C8644
0.1/UFN
C8645
16V47/EVV
X8601
FL8672
VLF1016A470T
FS3
C8656
0.1/UFN
C8657
0.1/UFN
C8658
0.1/UFN
C8659
0.1/UFN
C8660
0.1/UFN
IC8603
MN74HC221ST1
IC8604
MN74HC221ST1
IC8606
MN74HC221ST1
IC8607
MC74HCU04F-R
IC8608
MC74HC125AFR
L8613
R8632
C8646
C8647
C8648
C8649
CK1
C8661
VR8604
R8633
IC8610
R8627
R8629
C8650
R8636
R8637
C8651
13.5MVC01
R8634
C8652
D8602
L8614
47U/LC
C8653
C8654
R8635
X8602
C8655
R8696
0/J6
CK1

*=REFER TO THE COMPARISON CHART

Ref No.8600 Series.

SYNC GE

REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
PLAY
REC
REF. NO. / MODE
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REF. NO. / MODE
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REF. NO. / MODE
PLAY
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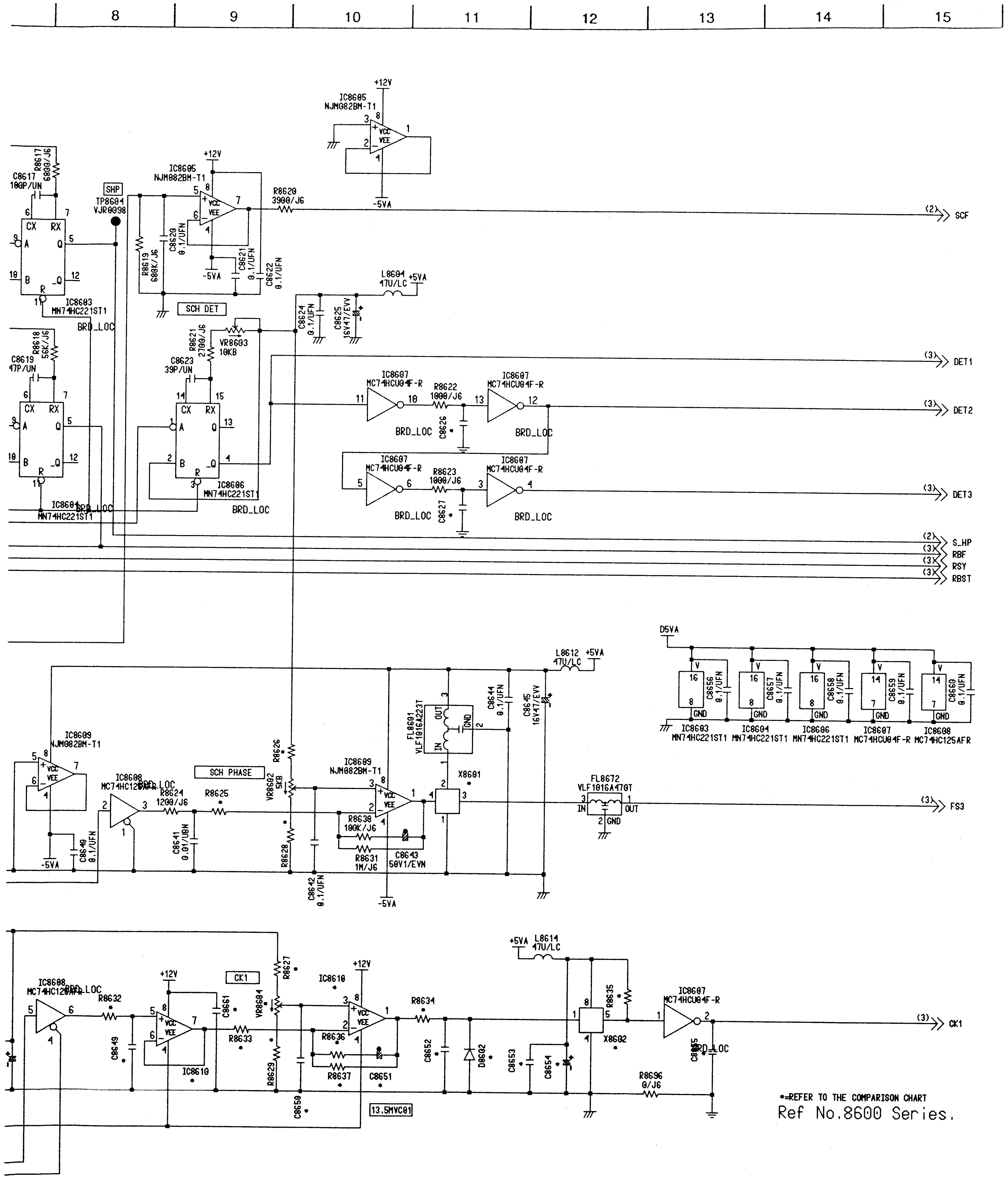
REF. NO. / MODE
PLAY
REC


8
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IC8605
NJM082BM-T1
+12V
-5VA
IC8603
MN74HC221ST1
IC8604
MN74HC221ST1
IC8606
MN74HC221ST1
IC8607
MC74HCU04F-R
IC8608
MC74HC125AFR
IC8609
NJM082BM-T1
IC8610
SHP
TP8604
VJR0098
SCH DET
SCH PHASE
CK1
BRD_LOC
R8617 6800/J6
C8617 100P/UN
R8618 56K/J6
C8619 47P/UN
R8619 6800/J6
C8620 0.1/UFN
C8621 0.1/UFN
C8622 0.1/UFN
R8620 3900/J6
R8621 2700/J6
VR8603 10KB
C8623 39P/UN
L8604 47U/LC
+5VA
C8624 0.1/UFN
C8625 16V47/EVV
R8622 1000/J6
R8623 1000/J6
C8626
C8627
SCF
DET1
DET2
DET3
S_HP
RBF
RSY
RBST
D5VA
C8656 0.1/UFN
C8657 0.1/UFN
C8658 0.1/UFN
C8659 0.1/UFN
C8660 0.1/UFN
GND
L8612 47U/LC
C8644 0.1/UFN
C8645 16V47/EVV
FL8601 VLF1016A223T
X8601
FL8672 VLF1016A470T
IN
OUT
FS3
R8624 1200/J6
R8625
C8640 0.1/UFN
C8641 0.01/UBN
R8626
VR8602 5KB
R8628
R8630 100K/J6
R8631 1M/J6
C8643 50V1/EVN
C8642 0.1/UFN
R8632
C8649
C8661
VR8604
R8633
R8627
R8629
C8650
R8636
R8637
C8651
R8634
C8652
D8602
C8653
C8654
L8614 47U/LC
R8635
X8602
R8696 0/J6
C8655
13.5MVC01
CK1
(2)
(3)

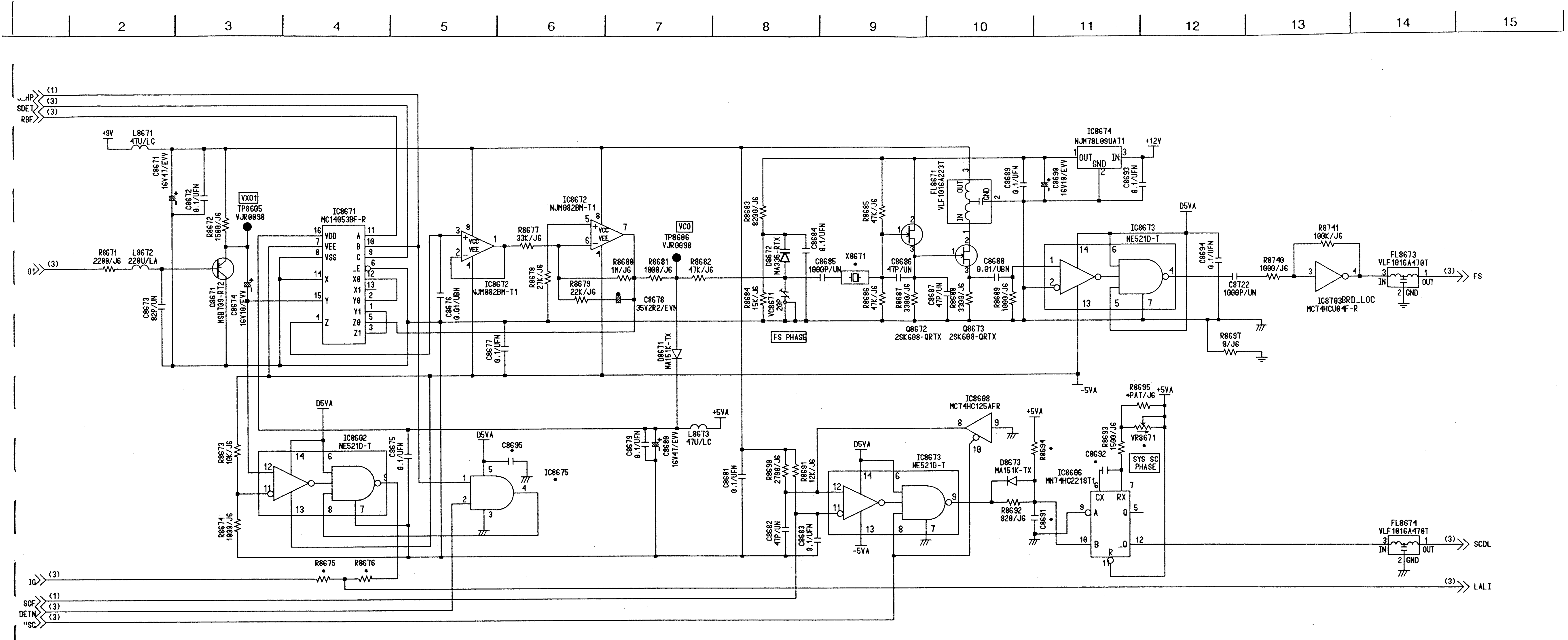
*=REFER TO THE COMPARISON CHART

Ref No.8600 Series.

SYNC GEN (1)

REF. NO.	IC8601																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	3.8	4.3	4.5	5.2	5.1	4.5	4.5	4.5	4.3	9.0	5.1	0	0	8.6	9.0	0.2	5.5	2.3	5.2	0
REC	3.8	4.3	4.5	5.2	5.1	4.5	4.5	4.5	4.3	9.0	5.1	0	0	8.6	9.0	0.2	5.4	2.3	5.2	0
REF. NO.	IC8602																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	0	0	0	4.2	0	0	0	0	4.7	0	–0.4	0	–4.9	5.1						
REC	0	0	0.2	4.2	0	5.1	0	0	4.7	0.2	–0.4	0	–5.0	5.1						
REF. NO.	IC8603																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	5.1	5.1	5.1	5.1	0	0	5.1	0	0	5.1	4.9	5.1	0	0	5.0	5.1				
REC	5.1	5.1	5.1	5.1	0	0	5.1	0	0	5.1	4.9	5.1	0	0	5.0	5.1				
REF. NO.	IC8604																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	5.1	4.9	5.1	0	0	5.0	0	0	5.1	4.9	5.1	0	0	5.1	5.1				
REC	0	5.1	4.9	5.1	0	0	5.0	0	0	5.1	4.9	5.1	0	0	5.1	5.1				
REF. NO.	IC8605																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0	0	0	–4.9	0	0	0	11.6												
REC	0	0	0	–4.9	0	0	0	11.6												
REF. NO.	IC8606																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	5.1	4.9	4.9	5.1	2.6	0	2.5	0	0	1.0	4.9	3.0	0	0	4.9	5.1				
REC	5.1	4.9	4.9	5.1	2.5	0	2.8	0	0	1.0	4.9	2.9	0	0	4.9	5.1				
REF. NO.	IC8607																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	4.8	0	0	5.1	5.1	0	0	4.9	0.1	0	5.1	5.1	0	5.1						
REC	4.8	0	0	5.1	5.1	0	0	4.9	0.1	0	5.1	5.1	0	5.1						
REF. NO.	IC8608																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	0	2.9	2.9	5.1	2.4	1.2	0	1.2	0	4.2	0	0	0	5.1						
REC	0	2.9	2.9	5.1	2.4	2.0	0	1.2	0	4.1	0	0	0	5.1						
REF. NO.	IC8609								IC8613											
MODE	1	2	3	4	5	6	7	8	1	2	3									
PLAY	2.2	2.7	2.7	–4.9	0	0	0	4.9	9.1	0	11.6									
REC	2.2	2.7	2.7	–4.9	0	0	0	4.9	9.1	0	11.6									

GEN (2) SCHEMATIC DIAGRAM 2/6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13
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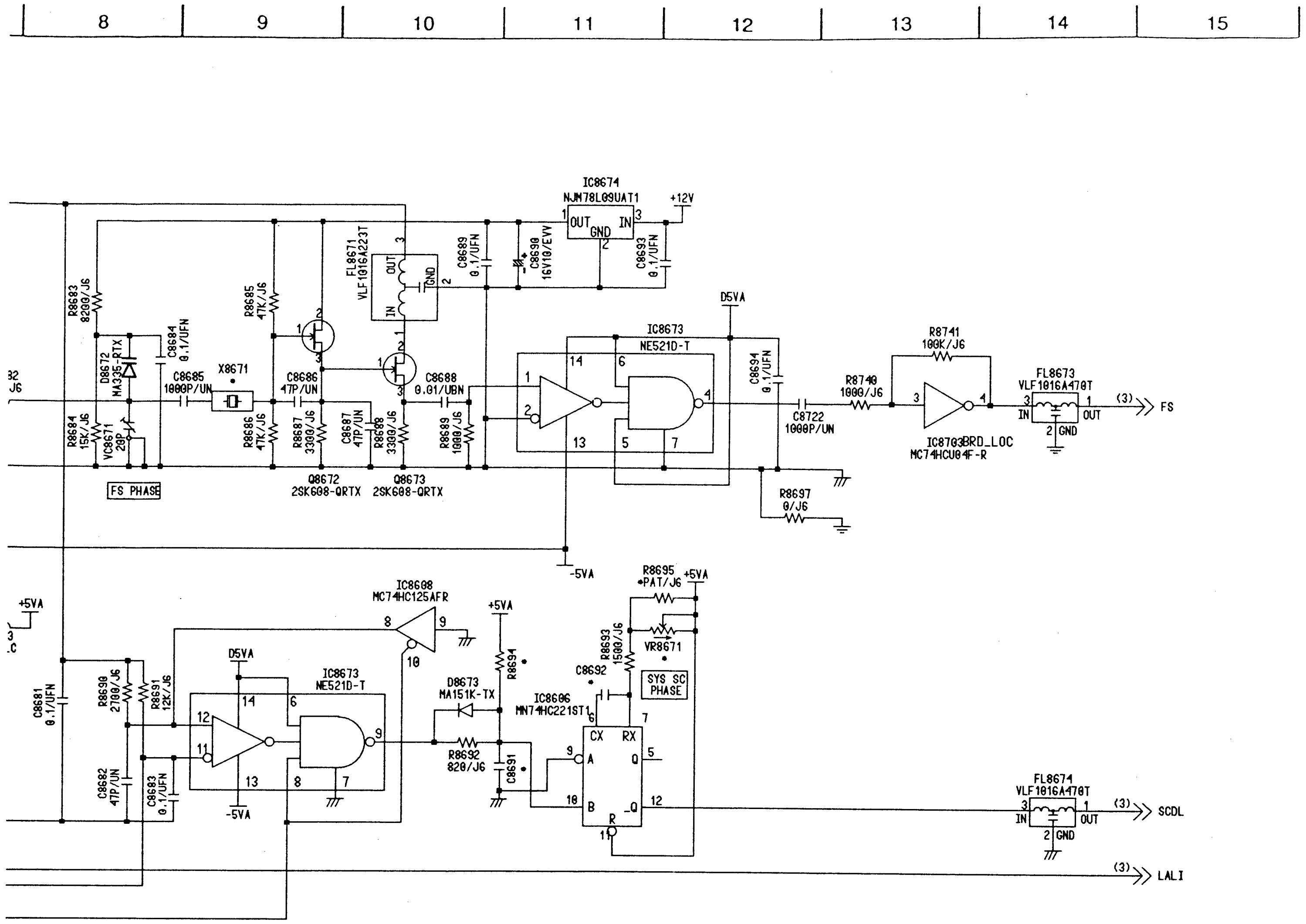
HP (1)
SDET (3)
RBF (3)
01 (3)
+9V
L8671 47U/LC
C8671 16V47/EVV
C8672 0.1/UFN
R8672 1500/J6
VX01
TP8605 VJR0098
R8671 2200/J6
L8672 220U/LA
C8673 82P/UN
Q8671 MSB709-RT2
C8674 16V10/EVV
IC8671 MC14053BF-R
VDD
VEE
VSS
X
Y
Z
A
B
C
_E
X0
X1
Y0
Y1
Z0
Z1
IC8672 NJM082BM-T1
VCC
VEE
C8676 0.01/UBN
C8677 0.1/UFN
R8677 33K/J6
R8678 27K/J6
R8679 22K/J6
R8680 1M/J6
R8681 1000/J6
R8682 47K/J6
C8678 35V2R2/EVN
VCO
TP8606 VJR0098
D8671 MA151K-TX
R8683 8200/J6
R8684 15K/J6
D8672 MA335-RTX
VC8671 20P
C8684 0.1/UFN
C8685 1000P/UN
X8671
FS PHASE
R8685 47K/J6
R8686 47K/J6
C8686 47P/UN
R8687 3300/J6
C8687 47P/UN
R8688 3300/J6
Q8672 2SK608-QRTX
Q8673 2SK608-QRTX
FL8671 VLF1016A223T
IN
OUT
GND
C8688 0.01/UBN
R8689 1000/J6
C8689 0.1/UFN
C8690 16V10/EVV
IC8674 NJM78L09UAT1
OUT
GND
IN
+12V
C8693 0.1/UFN
D5VA
IC8673 NE521D-T
C8694 0.1/UFN
C8722 1000P/UN
R8740 1000/J6
R8741 100K/J6
IC8703BRD_LOC MC74HCU04F-R
FL8673 VLF1016A470T
IN
OUT
GND
(3) FS
R8697 0/J6
-5VA
D5VA
IC8602 NE521D-T
C8675 0.1/UFN
R8673 10K/J6
R8674 1000/J6
D5VA
C8695
IC8675
C8679 0.1/UFN
C8680 16V47/EVV
L8673 47U/LC
+5VA
C8681 0.1/UFN
R8690 2700/J6
R8691 12K/J6
C8682 47P/UN
C8683 0.1/UFN
D5VA
IC8673 NE521D-T
-5VA
IC8608 MC74HC125AFR
+5VA
R8694
D8673 MA151K-TX
R8692 820/J6
C8691
C8692
IC8606 MN74HC221ST1
CX
RX
A
B
Q
_Q
R
R8693 1500/J6
R8695 *PAT/J6
+5VA
VR8671
SYS SC PHASE
FL8674 VLF1016A470T
IN
OUT
GND
(3) SCDL
(3) LALI
IO (3)
R8675
R8676
SCF (1)
DETN (3)
SC (3)

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART

Ref No.8671~ Series.

SYNC GEN (2)

REF. NO. / MODE		
REF. NO. / MODE	1	2
PLAY	0	0
REC	0	0
REF. NO. / MODE	1	2
PLAY	5.1	4.8
REC	5.1	4.9
REF. NO. / MODE	1	2
PLAY	0	2.7
REC	0	2.8
REF. NO. / MODE	1	2
PLAY	0	0
REC	0	0
REF. NO. / MODE	1	2
PLAY	0	0
REC	0	0
REF. NO. / MODE	1	2
PLAY	0	0
REC	0	0
REF. NO.	Q867	
MODE	E	C
PLAY	3.2	0
REC	3.2	0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14
15
IC8674
NJM78L09UAT1
+12V
OUT
GND
IN
FL8671
VLF1016A223T
C8689
0.1/UFN
C8690
16V10/EVV
C8693
0.1/UFN
R8683
8200/J6
R8685
47K/J6
D8672
MA335-RTX
C8684
0.1/UFN
C8685
1000P/UN
X8671
C8686
47P/UN
C8688
0.01/UBN
R8684
15K/J6
VC8671
20P
R8686
47K/J6
R8687
3300/J6
C8687
47P/UN
R8688
3300/J6
R8689
1000/J6
FS PHASE
Q8672
2SK608-QRTX
Q8673
2SK608-QRTX
D5VA
IC8673
NE521D-T
C8694
0.1/UFN
C8722
1000P/UN
R8740
1000/J6
R8741
100K/J6
IC8703BRD_LOC
MC74HCU04F-R
FL8673
VLF1016A470T
FS
R8697
0/J6
-5VA
IC8608
MC74HC125AFR
+5VA
R8695
*PAT/J6
R8693
1500/J6
VR8671
SYS SC PHASE
C8692
R8694
D8673
MA151K-TX
IC8606
MN74HC221ST1
R8692
820/J6
C8691
C8681
0.1/UFN
R8690
2700/J6
R8691
12K/J6
C8682
47P/UN
C8683
0.1/UFN
FL8674
VLF1016A470T
SCDL
LALI

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.8671~ Series.

SYNC GEN (2)

REF. NO.	IC8602													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	0	0	-0.4	4.1	0	5.1	0	1.0	3.8	0	-0.4	0	-4.9	5.1
REC	0	0	0	4.2	0	5.1	0	1.0	3.9	0	-0.4	0	-4.9	5.1

REF. NO.	IC8606															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	5.1	4.8	4.9	5.1	2.7	0	2.5	0	0	0.9	4.8	1.5	0	0	4.8	5.1
REC	5.1	4.9	5.0	5.1	2.6	0	2.5	0	0	0.9	4.9	1.6	0	0	4.9	5.1

REF. NO.	IC8608													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	0	2.7	2.7	0	2.4	2.4	0	0.5	0	3.8	0	0	0	5.1
REC	0	2.8	2.8	0	2.4	2.4	0	0.4	0	3.8	0	0	0	5.1

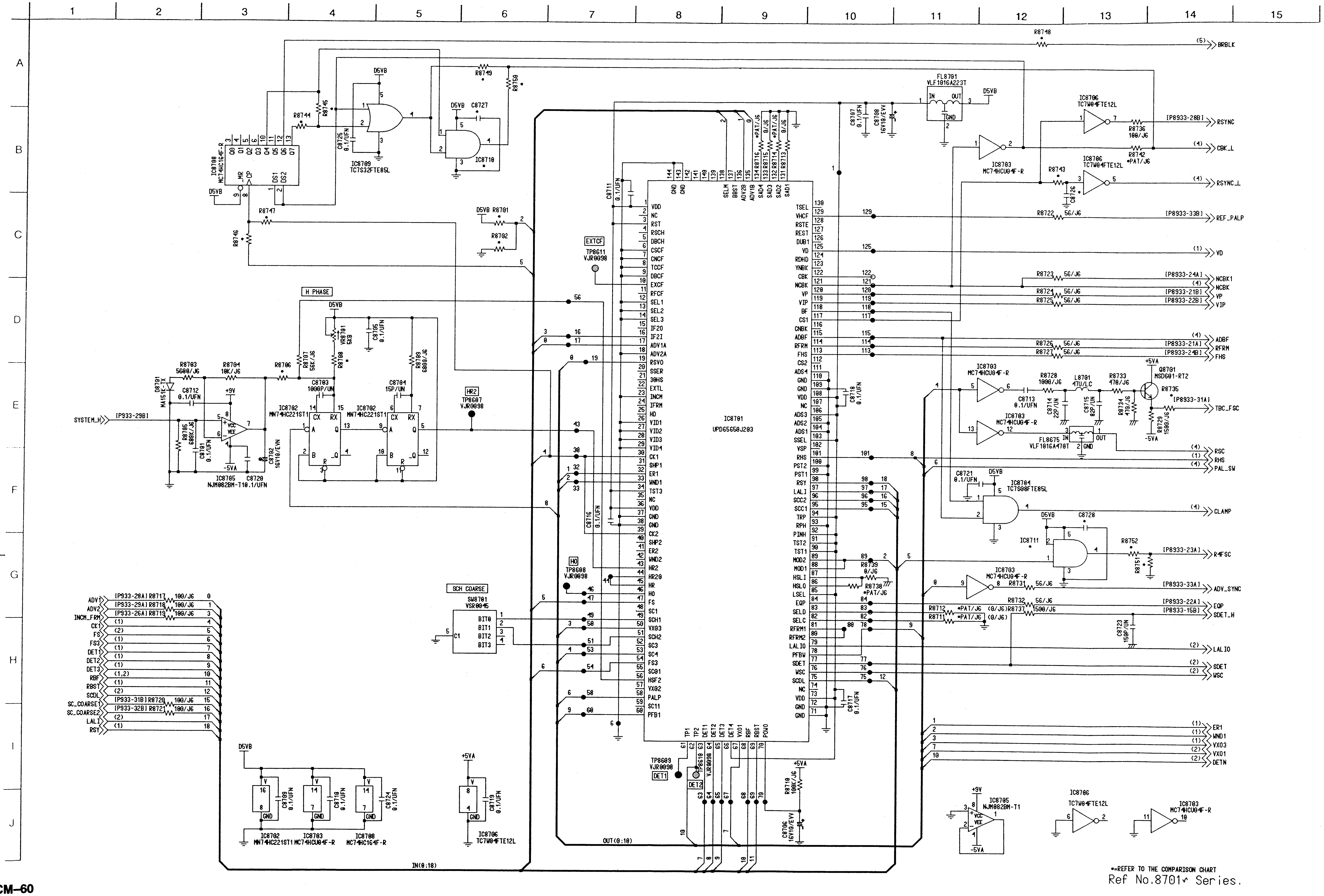
REF. NO.	IC8671															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	0	0	0	0	0	-4.9	0	0	0	0	0	0	0	0	4.8
REC	0	0	-0.2	0	0	0	-4.9	0	0	0	0	0	-0.2	0	0	4.8

REF. NO.	IC8672							
MODE	1	2	3	4	5	6	7	8
PLAY	0	0	0	-4.9	0	0.3	0	8.9
REC	0	0	0	-4.9	0	0.3	0	8.9

REF. NO.	IC8673																IC8674		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14			1	2	3
PLAY	0	0	0	2.0	5.1	5.1	0	3.8	2.0	0.1	2.1	0.5	-4.9	5.1			9.0	0	11.6
REC	0	0	0	1.9	5.1	5.1	0	3.8	2.1	0	2.1	0.5	-4.9	5.1			9.0	0	11.6

REF. NO.	Q8671			Q8672			Q8673		
MODE	E	C	B	1	2	3	1	2	3
PLAY	3.2	0	2.5	4.5	4.9	9.0	4.9	8.1	8.9
REC	3.2	0	2.5	4.5	4.9	9.0	4.9	8.2	8.9

SYNC GEN (3) SCHEMATIC DIAGRAM 3/6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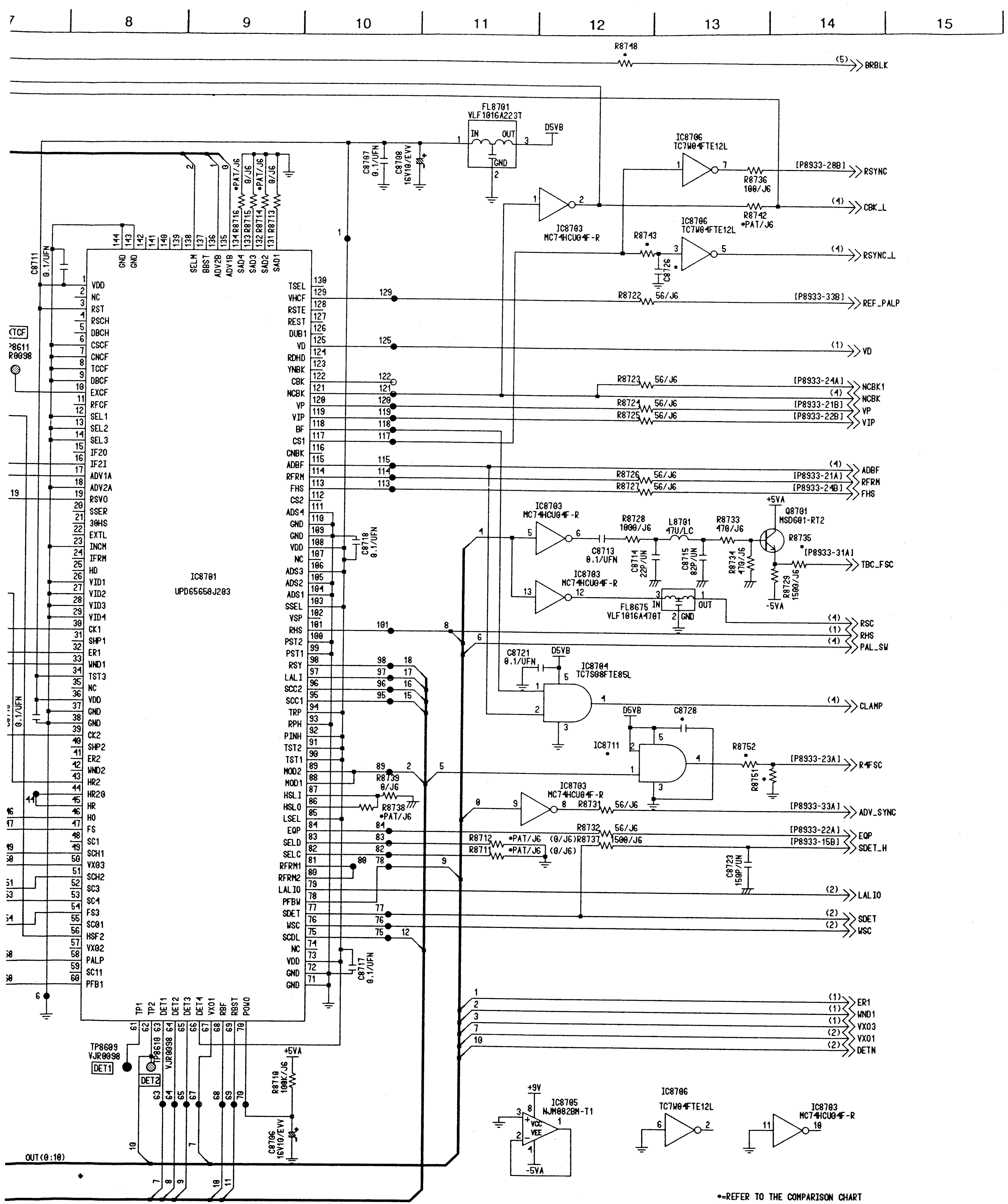
A
B
C
D
E
F
G
H
I
J
IC8708 MC74HC164F-R
IC8709 TC7S32FTE85L
IC8710
IC8701 UPD65650J203
IC8702 MN74HC221ST1
IC8703 MC74HCU04F-R
IC8704 TC7S08FTE85L
IC8705 NJM082BM-T10.1/UFN
IC8706 TC7W04FTE12L
IC8711
FL8701 VLF1016A223T
FL8675 VLF1016A470T
Q8701 MSD601-RT2
L8701 47U/LC
SW8701 VSR0045
D8701 MA151K-X
VR8701 5K8
D5VB
+9V
-5VA
+5VA
H PHASE
EXTCF
TP8611 VJR0098
HR2
TP8607 VJR0098
HD
TP8608 VJR0098
SCH COARSE
TP8609 VJR0098
DET1
TP8610 VJR0098
DET2
IN(0:18)
OUT(0:18)
SYSTEM_H [P933-29B]
ADV1 [P933-28A]
ADV2 [P933-29A]
INCM_FRM [P933-26A]
CK1
FS
FS3
DET1
DET2
DET3
RBF
RBST
SCDL
SC_COARSE1 [P933-31B]
SC_COARSE2 [P933-32B]
LALI
RSY
BRBLK
RSYNC [P8933-28B]
CBK_L
RSYNC_L
REF_PALP [P8933-33B]
VD
NCBK1 [P8933-24A]
NCBK
VP [P8933-21B]
VIP [P8933-22B]
ADBF
RFRM [P8933-21A]
FHS [P8933-24B]
TBC_FSC [P8933-31A]
RSC
RHS
PAL_SW
CLAMP
R4FSC [P8933-23A]
ADV_SYNC [P8933-33A]
EQP [P8933-22A]
SDET_H [P8933-15B]
LALIO
SDET
WSC
ER1
WND1
VXO3
VXO1
DETN
*=REFER TO THE COMPARISON CHART
Ref No.8701~ Series.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R8748
(5) BRBLK
FL8701
VLF1016A223T
IN
OUT
GND
D5VB
C8707
0.1/UFN
C8708
16V10/EVV
*PAT/J6
0/J6
R8716
R8715
R8714
R8713
IC8706
TC7W04FTE12L
R8736
100/J6
[P8933-28B] RSYNC
(4) CBK_L
R8742
*PAT/J6
IC8703
MC74HCU04F-R
R8743
C8726
(4) RSYNC_L
R8722 56/J6
[P8933-33B] REF_PALP
(1) VD
R8723 56/J6
[P8933-24A] NCBK1
(4) NCBK
R8724 56/J6
[P8933-21B] VP
R8725 56/J6
[P8933-22B] VIP
(4) ADBF
R8726 56/J6
[P8933-21A] RFRM
R8727 56/J6
[P8933-24B] FHS
+5VA
Q8701
MSD601-RT2
R8728
1000/J6
L8701
47U/LC
R8733
470/J6
R8735
[P8933-31A] TBC_FSC
C8713
0.1/UFN
C8714
22P/UN
C8715
82P/UN
R8734
470/J6
R8729
1500/J6
-5VA
FL8675
VLF1016A470T
(4) RSC
(1) RHS
(4) PAL_SW
C8721
0.1/UFN
IC8704
TC7S08FTE85L
(4) CLAMP
C8728
IC8711
R8752
R8751
[P8933-23A] R4FSC
R8731 56/J6
[P8933-33A] ADV_SYNC
R8732 56/J6
R8712 *PAT/J6 (0/J6)
R8711 *PAT/J6 (0/J6)
R8737 1500/J6
[P8933-22A] EQP
[P8933-15B] SDET_H
C8723
150P/UN
(2) LALIO
(2) SDET
(2) WSC
(1) ER1
(1) WND1
(1) VX03
(2) VX01
(2) DETN
C8711
0.1/UFN
C8718
0.1/UFN
C8717
0.1/UFN
IC8701
UPD65650J203
VDD
NC
RST
RSCH
DBCH
CSCF
CNCF
TCCF
DBCF
EXCF
RFCF
SEL1
SEL2
SEL3
IF20
IF2I
ADV1A
ADV2A
RSVO
SSER
30HS
EXTL
INCM
IFRM
HD
VID1
VID2
VID3
VID4
CK1
SHP1
ER1
WND1
TST3
NC
VDD
GND
GND
CK2
SHP2
ER2
WND2
HR2
HR20
HR
HO
FS
SC1
SCH1
VX03
SCH2
SC3
SC4
FS3
SC01
HSF2
VX02
PALP
SC11
PFB1
TP1
TP2
DET1
DET2
DET3
DET4
VX01
RBF
RBST
POWO
GND
GND
SELM
BBST
ADV2B
ADV1B
SAD4
SAD3
SAD2
SAD1
TSEL
VHCF
RSTE
REST
DUB1
VD
RDHD
YNBK
CBK
NCBK
VP
VIP
BF
CS1
CNBK
ADBF
RFRM
FHS
CS2
ADS4
GND
GND
VDD
NC
ADS3
ADS2
ADS1
SSEL
VSP
RHS
PST2
PST1
RSY
LALI
SCC2
SCC1
TRP
RPH
PINH
TST2
TST1
MOD2
MOD1
HSLI
HSLO
LSEL
EQP
SELD
SELC
RFRM1
RFRM2
LALIO
PFBW
SDET
WSC
SCDL
NC
VDD
GND
GND
R8739
0/J6
R8738
*PAT/J6
XTCF
TP8611
VJR0098
TP8609
VJR0098
DET1
TP8610
VJR0098
DET2
+5VA
R8710
100K/J6
C8706
16V10/EVV
OUT(0:10)
+9V
IC8705
NJM082BM-T1
VCC
VEE
-5VA
IC8706
TC7W04FTE12L
IC8703
MC74HCU04F-R

*=REFER TO THE COMPARISON CHART

Ref No.8701~ Series.

SYNC GEN (3)

REF. NO. / MODE	IC8701																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	5.1	0	5.1	0	0	0	0	0	0	0	0	0	0	0	5.1	5.0	0	0	5.0	5.1
REC	5.1	0	5.1	0	0	0	0	0	0	5.1	5.1	0	0	0	5.1	5.0	5.1	0	5.1	5.1

REF. NO. / MODE	IC8701																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	5.1	5.1	0	5.1	0.4	0	0	0	0	0	0	0	5.1	5.1	0	5.1	0	0	0	5.1
REC	5.1	5.1	0	5.1	0.4	0	0	0	0	0	0	2.4	5.1	5.1	0	5.1	0	0	0	5.1

REF. NO. / MODE	IC8701																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
PLAY	2.5	0	0	0	0	0	2.4	2.6	0	2.7	5.1	0	2.6	2.4	0	0	0	2.5	5.1	0
REC	2.5	0	0	0	0	1.3	2.4	2.6	0	2.7	5.1	2.6	2.6	2.4	2.6	0	2.5	2.5	5.1	0

REF. NO. / MODE	IC8701																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
PLAY	2.5	5.1	5.1	5.1	5.1	5.1	2.0	0	4.1	5.1	0.1	0	5.1	0	1.5	3.5	0	0	0	5.1
REC	2.6	5.1	5.1	5.1	5.1	5.1	2.2	0	4.1	5.0	0	0	5.1	0	1.5	3.6	0	0	5.1	0

REF. NO. / MODE	IC8701																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
PLAY	5.1	5.1	5.1	0.3	5.1	0	0	0	0	5.1	5.1	5.1	0	5.1	0	5.1	5.1	5.1	0	0
REC	5.1	5.1	5.1	0.3	5.1	0	0	0	0	5.1	0	5.1	0	5.1	0	5.1	5.1	5.1	0	0

REF. NO. / MODE	IC8701																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
PLAY	5.1	0.7	5.1	0	0	5.1	0	5.1	0	0	0	0	0.3	5.1	0	5.1	0	0	0	0
REC	5.1	0.7	5.1	0	0	5.1	0	5.1	0	0	0	0	0.3	5.1	0.1	0.9	0.3	0.1	0	0

REF. NO. / MODE	IC8701																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
PLAY	0.9	1.1	0	0	0.1	5.1	0	0	0	5.1	0	0	0	5.1	0	0	0	0	5.1	5.1
REC	0.9	1.1	0.7	0	0.1	5.1	5.1	5.1	5.1	5.1	0	5.1	0	5.1	5.1	5.1	0	0	5.1	5.1

REF. NO. / MODE	IC8701			
MODE	141	142	143	144
PLAY	0	0	0	0
REC	5.1	5.1	0	0

REF. NO. / MODE	IC8702															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	5.1	5.1	5.1	5.1	0	0	5.1	0	0	5.1	5.1	5.1	0	0	3.6	5.1
REC	5.1	5.1	5.1	5.1	0	0	5.1	0	0	5.1	5.1	5.1	0	0	3.6	5.1

REF. NO. / MODE	IC8703													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	0.9	4.0	2.3	2.4	2.6	2.4	0	5.1	5.1	5.1	0	2.3	2.6	5.1
REC	0.9	4.0	2.3	2.4	2.6	2.4	0	5.1	5.1	5.1	0	2.4	2.6	5.1

REF. NO. / MODE	IC8704				
MODE	1	2	3	4	5
PLAY	0.1	0.1	0	0	5.1
REC	0.1	0.1	0	0	5.1

REF. NO. / MODE	IC8705							
MODE	1	2	3	4	5	6	7	8
PLAY	0	0	0	-4.9	0	0	0	8.9
REC	0	0	0	-4.9	0	0	0	8.9

REF. NO. / MODE	IC8706							
MODE	1	2	3	4	5	6	7	8
PLAY	0.3	4.8	0.3	0	4.4	0	4.4	4.8
REC	0.3	4.8	0.3	0	4.4	0	4.4	4.8

REF. NO. / MODE	IC8708													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	4.0	4.0	4.0	4.0	4.0	4.0	0	2.4	5.1	4.1	4.1	4.0	4.0	5.1
REC	4.0	4.0	4.0	4.1	4.0	4.1	0	2.4	5.1	4.0	4.0	4.0	4.0	5.1

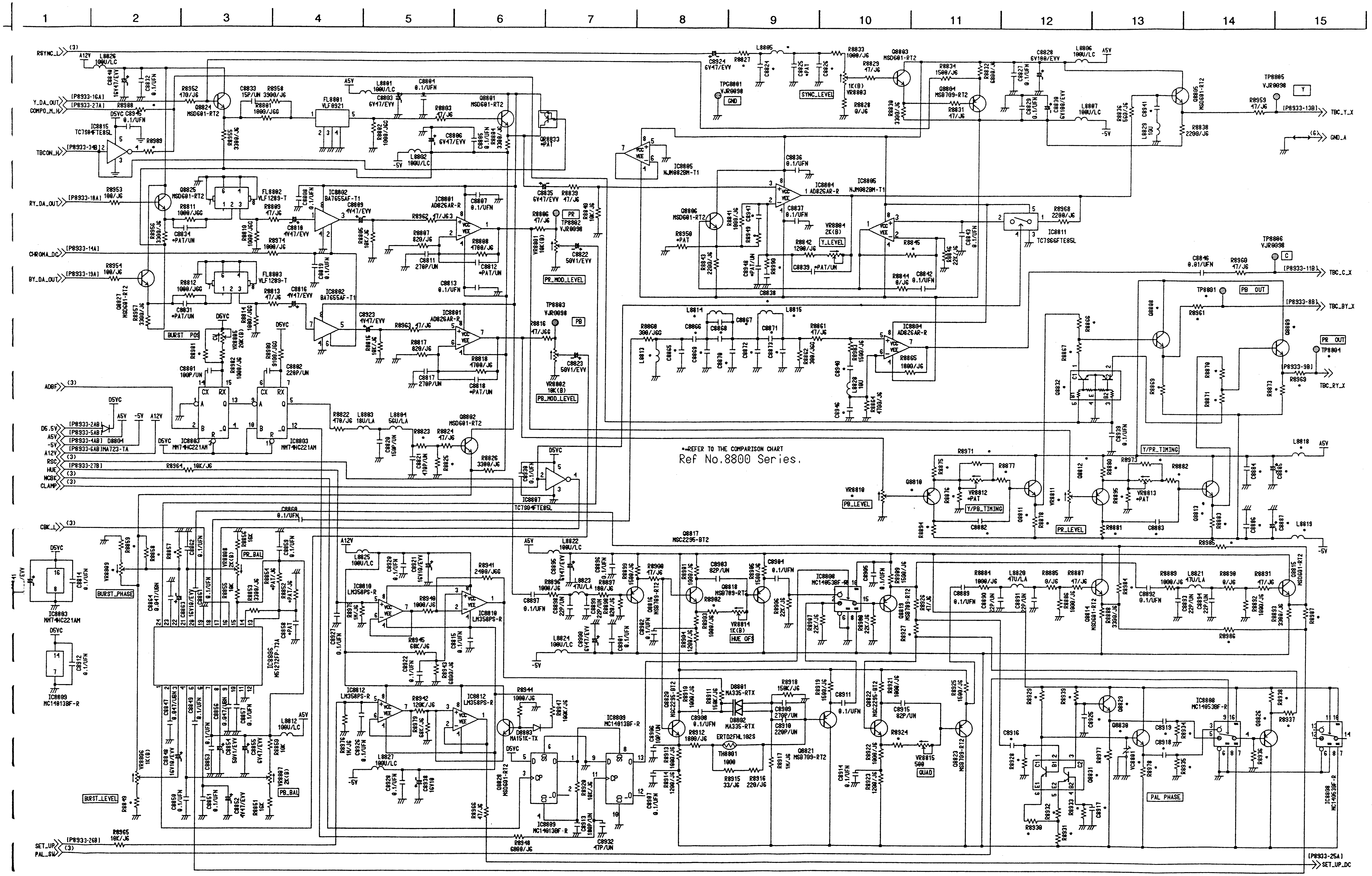
REF. NO. / MODE	IC8709				
MODE	1	2	3	4	5
PLAY	4.1	4.1	0	4.1	5.1
REC	4.1	4.1	0	4.1	5.1

REF. NO. / MODE	IC8710				
MODE	1	2	3	4	5
PLAY	4.1	4.1	0	4.0	5.1
REC	4.1	4.1	0	4.1	5.1

REF. NO. / MODE	IC8711				
MODE	1	2	3	4	5
PLAY	2.4	5.1	0	2.3	5.1
REC	2.4	5.1	0	2.3	5.1

REF. NO. / MODE	Q8701		
MODE	E	C	B
PLAY	-0.5	4.8	0
REC	-0.5	4.9	0

CODER SCHEMATIC DIAGRAM 4/6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RSYNC_L
Y_DA_OUT
COMPO_N_H
TBCON_H
RY_DA_OUT
CHROMA_DC
BY_DA_OUT
ADBF
D5.5V
A5V
-5V
A12V
RSC
HUE
NCBK
CLAMP
CBK_L
SET_UP
PAL_SW
IC8815 TC7S04FTE85L
Q8824 MSD601-RT2
FL8801 VLF0921
Q8801 MSD601-RT2
Q8833 *PAT
Q8825 MSD601-RT2
FL8802 VLF1289-T
IC8802 BA7655AF-T1
IC8801 AD826AR-R
Q8827 MSD601-RT2
FL8803 VLF1289-T
BURST_POS
IC8803 MM74HC221AM
Q8802 MSD601-RT2
IC8807 TC7S04FTE85L
TP8802 VJR0098
PR
PR_MOD_LEVEL
TP8803 VJR0098
PB
PB_MOD_LEVEL
TPG8801 VJR0098
GND
SYNC_LEVEL
Q8803 MSD601-RT2
Q8804 MSB709-RT2
IC8805 NJM082BM-T1
IC8804 AD826AR-R
Q8806 MSD601-RT2
Y_LEVEL
IC8811 TC7S66FTE85L
Q8805 MSD601-RT2
TP8805 VJR0098
Y
TBC_Y_X
GND_A
TP8806 VJR0098
C
TBC_C_X
TP8801
PB OUT
TBC_BY_X
PR OUT
TP8804
TBC_RY_X
*=REFER TO THE COMPARISON CHART
Ref No.8800 Series.
Y/PR_TIMING
Y/PB_TIMING
PB_LEVEL
PR_LEVEL
Q8817 MSC2295-BT2
BURST_PHASE
IC8806 M51272FP-72A
PR_BAL
IC8810 LM358PS-R
IC8808 MC14053BF-R
HUE_OFS
IC8812 LM358PS-R
D8801 MA335-RTX
D8802 MA335-RTX
TH8801 ERTD2FHL102S
QUAD
IC8809 MC14013BF-R
BURST_LEVEL
PB_BAL
PAL_PHASE
IC8898 MC14053BF-R
IC8893 MM74HC221AM
IC8899 MC14013BF-R
SET_UP_DC

ENCO

REF. NO / MODE
PLAY
REC
REF. NO / MODE
PLAY
REC
REF. NO / MODE
PLAY
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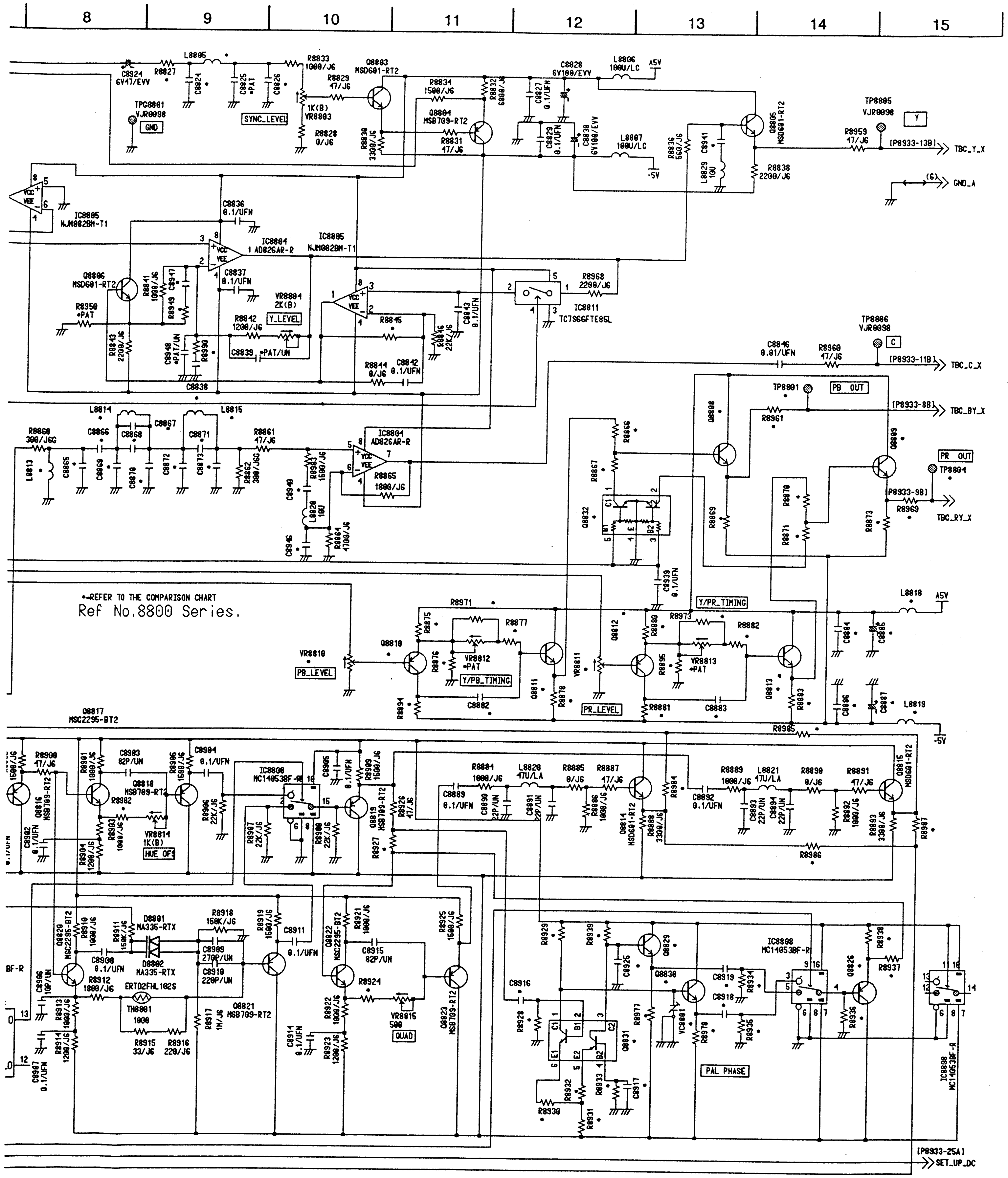
PLAY
REC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L8805
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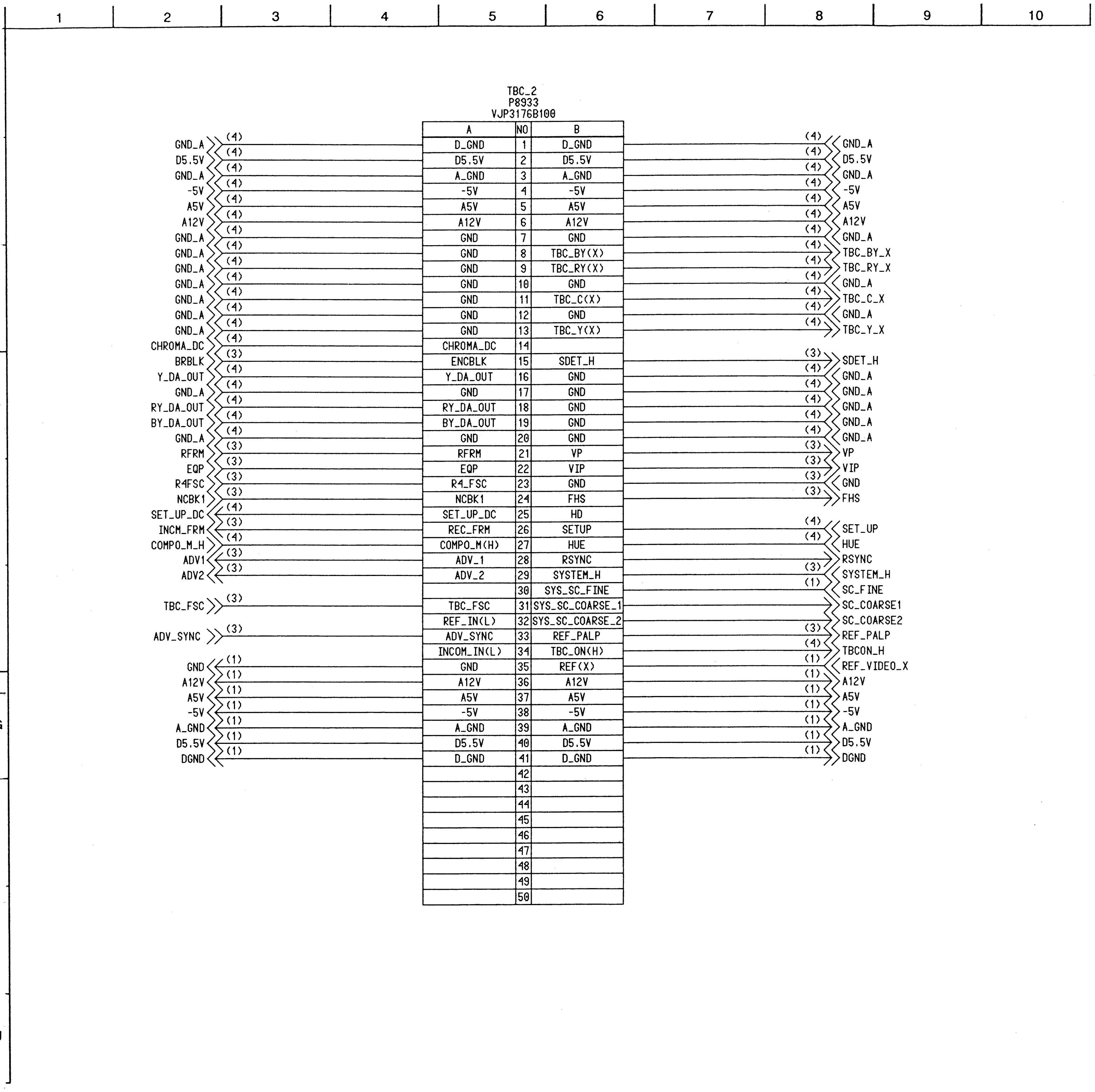
C8828 6V100/EVY
L8806 100U/LC
A5V
C8824 6V47/EVY
R8827
R8829 47/J6
R8834 1500/J6
Q8804 MSB709-RT2
R8831 47/J6
TPG8801 VJR0098
GND
SYNC_LEVEL
VR8803
R8828 0/J6
R8830 3300/J6
L8807 100U/LC
-5V
Q8805 MSD601-RT2
TP8805 VJR0098
Y
R8959 47/J6
R8838 2200/J6
[P8933-13B]
TBC_Y_X
GND_A
IC8805 NJM082BM-T1
C8836 0.1/UFN
IC8804 AD826AR-R
Q8806 MSD601-RT2
R8950 *PAT
C8837 0.1/UFN
VR8804 2K(B)
Y_LEVEL
R8842 1200/J6
R8845
C8839 *PAT/UN
R8843 2200/J6
C8838
R8844 0/J6
C8842 0.1/UFN
R8968 2200/J6
IC8811 TC7S66FTE85L
TP8806 VJR0098
C
C8846 0.01/UFN
R8960 47/J6
[P8933-11B]
TBC_C_X
TP8801
PB OUT
[P8933-8B]
TBC_BY_X
R8961
PR OUT
TP8804
[P8933-9B]
R8969
TBC_RY_X
L8814
L8815
R8860 300/J6G
C8866
C8868
C8867
C8871
R8861 47/J6
IC8804 AD826AR-R
R8865 1800/J6
L8813
L8820 10U
R8864 4700/J6
Q8832
C8939 0.1/UFN
*=REFER TO THE COMPARISON CHART
Ref No.8800 Series.
R8971
R8877
Q8810
VR8810
PB_LEVEL
VR8812 *PAT
Y/PB_TIMING
C8882
R8973
Y/PR_TIMING
R8882
VR8813 *PAT
PR_LEVEL
R8881
C8883
L8818
A5V
L8819
-5V
R8985
Q8817 MSC2295-BT2
R8900 47/J6
C8903 82P/UN
C8904 0.1/UFN
Q8818 MSB709-RT2
R8902
VR8814 1K(B)
HUE OFS
IC8808 MC14053BF-R
R8884 1000/J6
L8820 47U/LA
R8885 0/J6
R8887 47/J6
C8889 0.1/UFN
C8892 0.1/UFN
R8889 1000/J6
L8821 47U/LA
R8890 0/J6
R8891 47/J6
R8986
D8801 MA335-RTX
D8802 MA335-RTX
C8908 0.1/UFN
R8912 1800/J6
ERT02FHL102S
TH8801 1000
R8915 33/J6
R8916 220/J6
R8918 150K/J6
C8909 2700/UN
C8910 220P/UN
C8911 0.1/UFN
C8915 82P/UN
R8924
VR8815 500
QUAD
Q8821 MSB709-RT2
R8925 1500/J6
C8916
IC8808 MC14053BF-R
PAL PHASE
R8930
[P8933-25A]
SET_UP_DC

ENCODER

REF. NO.	IC8801																			
MODE	1	2	3	4	5	6	7	8												
PLAY	-0.2	0	0	-4.8	0	0	-0.2	4.7												
REC	-0.2	0	0	-4.8	0	0	-0.2	4.7												
REF. NO.	IC8802																			
MODE	1	2	3	4	5	6	7	8												
PLAY	2.7	3.2	2.1	0	2.1	3.2	2.7	4.7												
REC	2.7	3.2	2.1	0	2.1	3.2	2.7	4.7												
REF. NO.	IC8803																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	0.1	5.3	5.2	0.1	0	4.8	0	0	5.3	5.3	5.1	0	0	5.0	5.3				
REC	0	0.1	5.3	5.2	0.1	0	4.8	0	0	5.3	5.3	5.1	0	0	5.0	5.3				
REF. NO.	IC8804																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0.1	0	0	-4.8	0	0	0	4.7												
REC	0.1	0	0	-4.8	0	0	0	4.7												
REF. NO.	IC8805																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0.3	0	0	0	0	0	0	4.7												
REC	0.3	0	0	-4.8	0	0	0	4.7												
REF. NO.	IC8806																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	2.1	1.6	2.7	2.8	3.4	2.8	4.7	2.1	1.6	2.8	0	1.7	1.3	1.3	4.7	4.0	5.1	2.9	0	3.4
REC	2.1	1.6	2.7	2.8	3.4	2.8	4.7	2.1	1.6	2.8	0	1.7	1.3	1.3	4.7	4.1	5.1	2.9	0	3.4
REF. NO.	IC8806																			
MODE	21	22	23	24																
PLAY	2.8	2.7	1.6	2.1																
REC	2.8	2.7	1.6	2.1																
REF. NO.	IC8807																			
MODE	1	2	3	4	5															
PLAY	0	0	0	5.1	5.3															
REC	0	0	0	5.1	5.3															
REF. NO.	IC8808																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	0	0	-2.7	-2.8	-2.7	0	-4.8	0	2.5	0.9	4.7	0	0	0	0	4.7				
REC	0	0	-2.9	-3.2	-3.1	0	0	0	2.5	0.9	4.8	0.1	0.1	0	0	4.8				
REF. NO.	IC8809																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
PLAY	0.1	5.1	0.9	0.3	5.3	0	0	0.1	0	0	5.1	4.3	0.9	5.3						
REC	0.1	5.1	0.9	0.3	5.3	0	0	0.1	0	0	5.1	4.3	0.9	5.3						
REF. NO.	IC8810																			
MODE	1	2	3	4	5	6	7	8												
PLAY	3.3	0.9	0.9	-4.9	0	0	0	11.5												
REC	3.3	0.9	0.9	-4.9	0	0	0	11.5												
REF. NO.	IC8811																			
MODE	1	2	3	4	5															
PLAY	0.2	0	0	0	4.7															
REC	0.2	0	0	0.1	4.8															
REF. NO.	IC8812																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0	0	0	-4.9	0	0	0	11.5												
REC	0	0	0	-4.9	0	0	0	11.5												
REF. NO.	Q8801			Q8802			Q8803			Q8804			Q8805			Q8806				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	0.5	4.7	1.2	-0.6	4.7	0	-0.6	4.7	0	0	-4.8	-0.6	0.5	4.7	0.1	-0.2	4.8	0.3		
REC	0	4.8	1.2	-0.6	4.8	0	-0.6	4.8	0	0	-4.8	-0.6	0.5	4.8	0.1	0	4.8	0.4		
REF. NO.	Q8814			Q8815			Q8816			Q8817			Q8818			Q8819				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	-0.4	4.7	0	-0.3	4.7	0	0	-4.8	0	0.5	2.6	0	0.1	-4.8	0	0.1	-4.8	0		
REC	-0.4	4.8	0	-0.3	4.8	0	0	0	0	0	0	0	0.1	-4.8	0	0.2	-4.8	0		
REF. NO.	Q8820			Q8821			Q8822			Q8823			Q8824			Q8825				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
PLAY	0.4	2.6	0	0.1	-4.8	0	0.5	2.5	0.3	0.4	-4.8	0	2.5	11.5	3.1	0.2	11.5	0.8		
REC	0.4	2.6	0.1	0.1	-4.8	0	0.5	2.6	0.4	0.4	-4.8	0	2.5	11.6	3.2	0.2	0	0		
REF. NO.	Q8827			Q8828																
MODE	E	C	B	E	C	B														
PLAY	0.2	11.5	0.8	0	11.5	0														
REC	0.2	11.6	0.8	0	0	0														

TBC 2 CONNECTION SCHEMATIC DIAGRAM 5/6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9
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C
F
G
J
TBC_2
P8933
VJP3176B100
A NO B
D_GND 1 D_GND
D5.5V 2 D5.5V
A_GND 3 A_GND
-5V 4 -5V
A5V 5 A5V
A12V 6 A12V
GND 7 GND
GND 8 TBC_BY(X)
GND 9 TBC_RY(X)
GND 10 GND
GND 11 TBC_C(X)
GND 12 GND
GND 13 TBC_Y(X)
CHROMA_DC 14
ENCBLK 15 SDET_H
Y_DA_OUT 16 GND
GND 17 GND
RY_DA_OUT 18 GND
BY_DA_OUT 19 GND
GND 20 GND
RFRM 21 VP
EQP 22 VIP
R4_FSC 23 GND
NCBK1 24 FHS
SET_UP_DC 25 HD
REC_FRM 26 SETUP
COMPO_M(H) 27 HUE
ADV_1 28 RSYNC
ADV_2 29 SYSTEM_H
30 SYS_SC_FINE
TBC_FSC 31 SYS_SC_COARSE_1
REF_IN(L) 32 SYS_SC_COARSE_2
ADV_SYNC 33 REF_PALP
INCOM_IN(L) 34 TBC_ON(H)
GND 35 REF(X)
A12V 36 A12V
A5V 37 A5V
-5V 38 -5V
A_GND 39 A_GND
D5.5V 40 D5.5V
D_GND 41 D_GND
42
43
44
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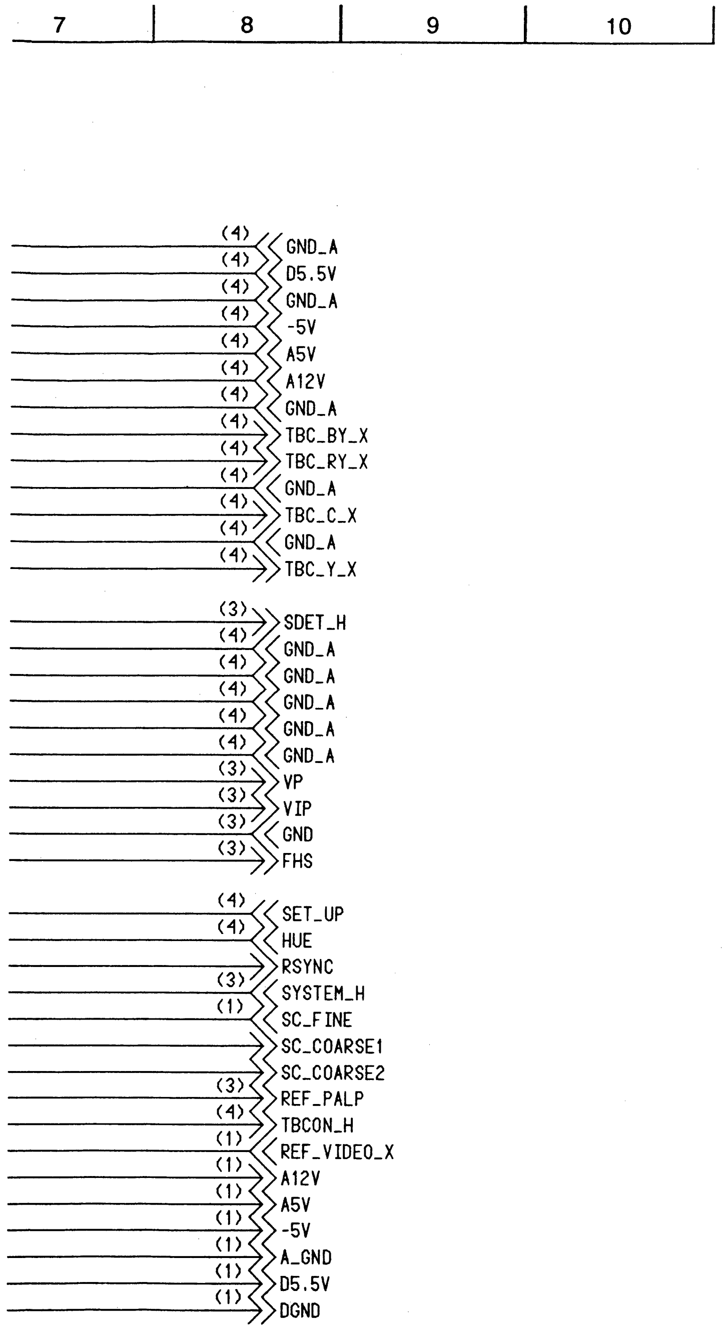
GND_A (4)
D5.5V (4)
GND_A (4)
-5V (4)
A5V (4)
A12V (4)
GND_A (4)
GND_A (4)
GND_A (4)
GND_A (4)
GND_A (4)
GND_A (4)
GND_A (4)
CHROMA_DC (4)
BRBLK (3)
Y_DA_OUT (4)
GND_A (4)
RY_DA_OUT (4)
BY_DA_OUT (4)
GND_A (4)
RFRM (3)
EQP (3)
R4FSC (3)
NCBK1 (3)
SET_UP_DC (4)
INCM_FRM (3)
COMPO_M_H (4)
ADV1 (3)
ADV2 (3)
TBC_FSC (3)
ADV_SYNC (3)
GND (1)
A12V (1)
A5V (1)
-5V (1)
A_GND (1)
D5.5V (1)
DGND (1)
(4) GND_A
(4) D5.5V
(4) GND_A
(4) -5V
(4) A5V
(4) A12V
(4) GND_A
(4) TBC_BY_X
(4) TBC_RY_X
(4) GND_A
(4) TBC_C_X
(4) GND_A
(4) TBC_Y_X
(3) SDET_H
(4) GND_A
(4) GND_A
(4) GND_A
(4) GND_A
(4) GND_A
(3) VP
(3) VIP
(3) GND
(3) FHS
(4) SET_UP
(4) HUE
RSYNC
(3) SYSTEM_H
(1) SC_FINE
SC_COARSE1
SC_COARSE2
(3) REF_PALP
(4) TBCON_H
(1) REF_VIDEO_X
(1) A12V
(1) A5V
(1) -5V
(1) A_GND
(1) D5.5V
(1) DGND

TBC 2 CONNECTION COMPARISON CHART 6/6

REF	NTSC
C8626	15P/UN
C8627	15P/UN
C8646	*PAT/UFN
C8647	*PAT/UFN
C8648	*PAT/EVV
C8649	*PAT/UBN
C8650	*PAT/UFN
C8651	*PAT/EVN
C8652	*PAT/UN
C8653	*PAT/UFN
C8654	*PAT/EVV
C8655	*PAT/UN
C8661	*PAT/UFN
C8691	10P/UN
C8692	27P/UN
C8695	*PAT/UFN
C8726	*PAT/UN
C8727	0. 1/UFN
C8728	0. 1/UFN
C8812	*PAT/UN
C8818	*PAT/UN
C8824	18P/UN
C8825	*PAT/UN
C8826	100P/UN
C8831	*PAT/UN
C8834	*PAT/UN
C8838	*PAT/UN
C8839	*PAT/UN
C8858	*PAT/UN
C8865	33P/UN
C8866	270P/UN
C8867	68P/UN
C8868	7P/UN
C8869	22P/UN
C8870	120P/UN
C8871	10P/UN
C8872	*PAT/UN
C8873	*PAT/UN
C8882	*PAT/UN
C8883	*PAT/UN
C8884	*PAT/UFN
C8885	*PAT/EVV
C8886	*PAT/UFN
C8887	*PAT/EVV
C8916	*PAT/UFN
C8917	*PAT/UFN

REF	NTSC
C8918	*PAT/UFN
C8919	*PAT/UFN
C8925	*PAT/UN
C8940	12P/UN
C8941	12P/UN
C8946	8P/UN
C8947	6P/UN
C8948	*PAT/UN
D8602	*PAT
IC8610	*PAT
IC8675	*PAT
IC8710	TC7S08FTE85L
IC8711	TC7SH08FTL
L8603	68U/LA
L8613	*PAT/LC
L8805	47U/LA
L8813	27U/LA
L8814	6R8U/LA
L8815	5R6U/LA
L8818	*PAT/LC
L8819	*PAT/LC
Q8808	*PAT
Q8809	*PAT
Q8810	*PAT
Q8811	*PAT
Q8812	*PAT
Q8813	*PAT
Q8826	*PAT
Q8829	*PAT
Q8830	*PAT
Q8831	*PAT
Q8832	*PAT
QR8833	*PAT
R8625	82K/J6
R8626	10K/J6
R8627	*PAT/J6
R8628	15K/J6
R8629	*PAT/J6
R8632	*PAT/J6
R8633	*PAT/J6
R8634	*PAT/J6
R8635	47K/J6
R8636	*PAT/J6
R8637	*PAT/J6
R8675	0/J6
R8676	*PAT/J6


7
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(4) GND_A
(4) D5.5V
(4) GND_A
(4) -5V
(4) A5V
(4) A12V
(4) GND_A
(4) TBC_BY_X
(4) TBC_RY_X
(4) GND_A
(4) TBC_C_X
(4) GND_A
(4) TBC_Y_X
(3) SDET_H
(4) GND_A
(4) GND_A
(4) GND_A
(4) GND_A
(4) GND_A
(3) VP
(3) VIP
(3) GND
(3) FHS
(4) SET_UP
(4) HUE
RSYNC
(3) SYSTEM_H
(1) SC_FINE
SC_COARSE1
SC_COARSE2
(3) REF_PALP
(4) TBCON_H
(1) REF_VIDEO_X
(1) A12V
(1) A5V
(1) -5V
(1) A_GND
(1) D5.5V
(1) DGND

TBC 2 CONNECTION COMPARISON CHART 6/6

REF	NTSC
C8626	15P/UN
C8627	15P/UN
C8646	*PAT/UFN
C8647	*PAT/UFN
C8648	*PAT/EVV
C8649	*PAT/UBN
C8650	*PAT/UFN
C8651	*PAT/EVN
C8652	*PAT/UN
C8653	*PAT/UFN
C8654	*PAT/EVV
C8655	*PAT/UN
C8661	*PAT/UFN
C8691	10P/UN
C8692	27P/UN
C8695	*PAT/UFN
C8726	*PAT/UN
C8727	0. 1/UFN
C8728	0. 1/UFN
C8812	*PAT/UN
C8818	*PAT/UN
C8824	18P/UN
C8825	*PAT/UN
C8826	100P/UN
C8831	*PAT/UN
C8834	*PAT/UN
C8838	*PAT/UN
C8839	*PAT/UN
C8858	*PAT/UN
C8865	33P/UN
C8866	270P/UN
C8867	68P/UN
C8868	7P/UN
C8869	22P/UN
C8870	120P/UN
C8871	10P/UN
C8872	*PAT/UN
C8873	*PAT/UN
C8882	*PAT/UN
C8883	*PAT/UN
C8884	*PAT/UFN
C8885	*PAT/EVV
C8886	*PAT/UFN
C8887	*PAT/EVV
C8916	*PAT/UFN
C8917	*PAT/UFN
C8918	*PAT/UFN
C8919	*PAT/UFN
C8925	*PAT/UN
C8940	12P/UN
C8941	12P/UN
C8946	8P/UN
C8947	6P/UN
C8948	*PAT/UN
D8602	*PAT
IC8610	*PAT
IC8675	*PAT
IC8710	TC7S08FTE85L
IC8711	TC7SH08FTL
L8603	68U/LA
L8613	*PAT/LC
L8805	47U/LA
L8813	27U/LA
L8814	6R8U/LA
L8815	5R6U/LA
L8818	*PAT/LC
L8819	*PAT/LC
Q8808	*PAT
Q8809	*PAT
Q8810	*PAT
Q8811	*PAT
Q8812	*PAT
Q8813	*PAT
Q8826	*PAT
Q8829	*PAT
Q8830	*PAT
Q8831	*PAT
Q8832	*PAT
QR8833	*PAT
R8625	82K/J6
R8626	10K/J6
R8627	*PAT/J6
R8628	15K/J6
R8629	*PAT/J6
R8632	*PAT/J6
R8633	*PAT/J6
R8634	*PAT/J6
R8635	47K/J6
R8636	*PAT/J6
R8637	*PAT/J6
R8675	0/J6
R8676	*PAT/J6
R8694	*PAT/J6
R8695	*PAT/J6
R8701	*PAT/J6
R8702	0/J6
R8706	27K/J6
R8708	4700/J6
R8711	*PAT/J6
R8712	*PAT/J6
R8714	*PAT/J6
R8716	*PAT/J6
R8735	56/J6
R8738	*PAT/J6
R8742	*PAT/J6
R8743	0/J6
R8744	*PAT/J6
R8745	0/J6
R8746	0/J6
R8747	*PAT/J6
R8748	56/J6
R8749	*PAT/J6
R8750	0/J6
R8751	220/J6
R8752	VLP0145-T
R8823	220/J6
R8825	270/J6
R8827	1000/J6
R8845	*PAT/J6
R8849	1200/J6
R8852	*PAT/J6
R8854	*PAT/J6
R8857	0/J6
R8858	*PAT/J6
R8859	*PAT/J6
R8866	*PAT/J6
R8867	2700/RE
R8869	*PAT/J6
R8870	*PAT/J6
R8871	2700/RE
R8873	*PAT/J6
R8875	*PAT/J6
R8876	*PAT/J6
R8877	*PAT/J6
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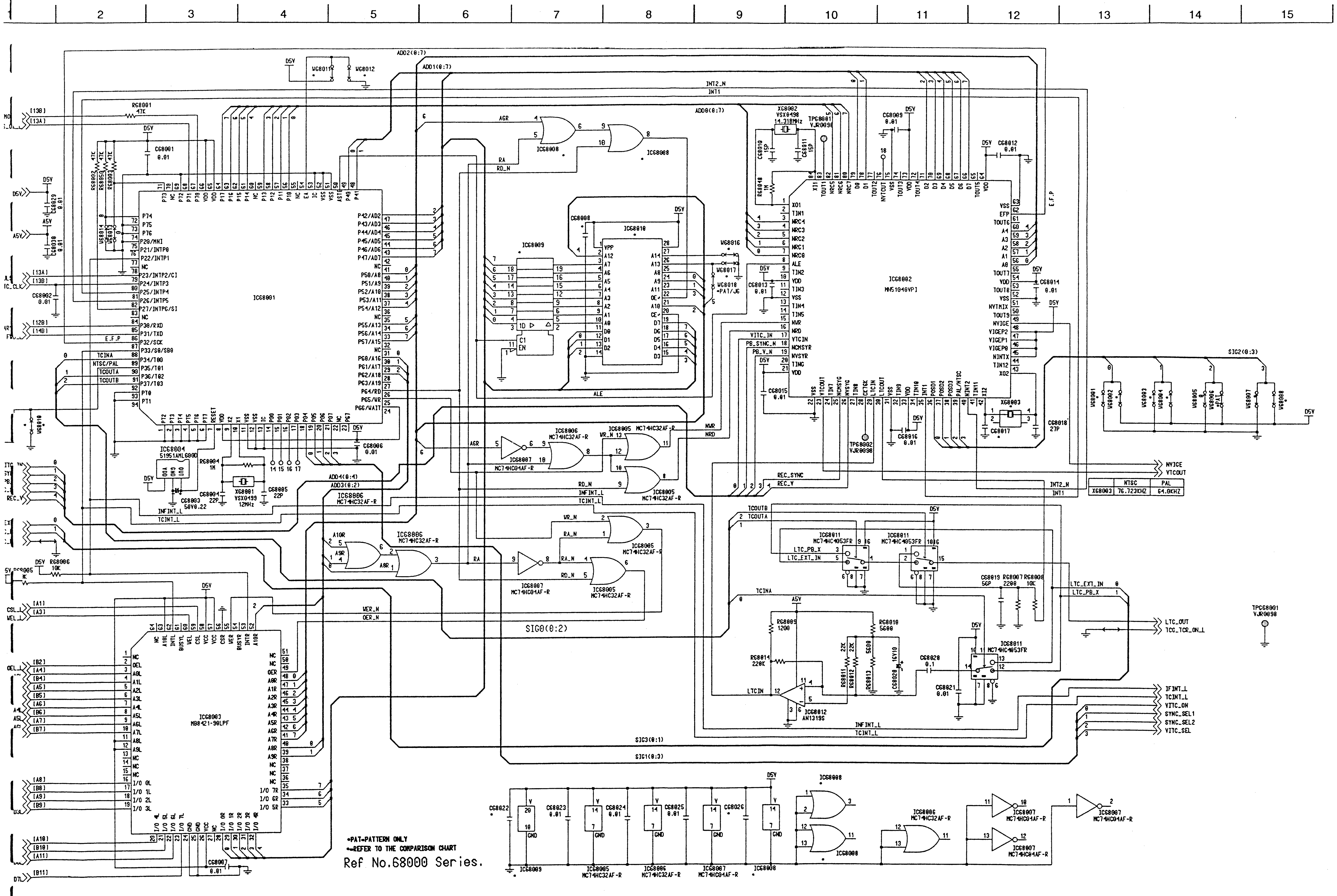
R8881	*PAT/J6
R8882	*PAT/J6
R8883	*PAT/J6
R8894	*PAT/J6
R8895	*PAT/J6
R8902	560/J6
R8924	180/J6
R8927	0/J6
R8928	*PAT/J6
R8929	*PAT/J6
R8930	*PAT/J6
R8931	*PAT/J6
R8932	*PAT/J6
R8933	*PAT/J6
R8934	*PAT/J6
R8935	*PAT/J6
R8936	*PAT/J6
R8937	*PAT/J6
R8938	*PAT/J6
R8939	*PAT/J6
R8949	1200/J6
R8950	*PAT/J6
R8961	*PAT/J6
R8969	*PAT/J6
R8971	*PAT/J6
R8973	*PAT/J6
R8977	*PAT/J6
R8978	*PAT/J6
R8981	*PAT/J6
R8984	0/J6
R8985	*PAT/J6
R8986	*PAT/J6
R8987	0/J6
R8988	0/J6
R8989	*PAT/J6
R8990	33K/DS
TP8801	*PAT
TP8804	*PAT
VC8801	*PAT
VR8604	*PAT
VR8671	2KB
VR8809	*PAT
VR8810	*PAT
VR8811	*PAT
VR8812	*PAT
VR8813	*PAT
X8601	VSX0338
X8602	*PAT
X8671	VSX0081

CODE (1) SCHEMATIC DIAGRAM 1/3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IC68001
IC68002
MN51040VPJ
IC68003
MB8421-90LPF
IC68004
51951AML600D
IC68005
MC74HC32AF-R
IC68006
MC74HC32AF-R
IC68007
MC74HC04AF-R
IC68008
IC68009
IC68010
IC68011
MC74HC4053FR
IC68012
AN1319S
X68001
VSX0139
12MHz
X68002
VSX0498
14.318MHz
X68003
D5V
A5V
ADD2(0:7)
ADD1(0:7)
ADD0(0:7)
ADD4(0:4)
ADD3(0:2)
INT2_N
INT1
SIG0(0:2)
SIG1(0:3)
SIG2(0:3)
SIG3(0:1)
NVICE
VTCOUT
LTC_OUT
TCC_TCR_ON_L
IFINT_L
TCINT_L
VITC_ON
SYNC_SEL1
SYNC_SEL2
VITC_SEL
LTC_EXT_IN
LTC_PB_X
REC_SYNC
REC_Y
TCOUTB
TCOUTA
TCINA
LTCIN
INFINT_L
TCINT_L
NWR
NRD
WR_N
RD_N
RA_N
RA
A0R
A1R
A8R
WER_N
OER_N
ALE
TPC68001
VJR0098
TPC68002
VJR0098
X68003 | NTSC 76.723KHZ | PAL 64.0KHZ
*PAT=PATTERN ONLY
**REFER TO THE COMPARISON CHART
Ref No.68000 Series.

TIME CODE (1)

REF. NO. / MODE	IC6800	
MODE	I	G
PLAY	5.1	0
REC	5.1	0

REF. NO. / MODE		
MODE	1	2
PLAY	0	0
REC	0	0

REF. NO. / MODE		
MODE	1	2
PLAY	0	5.1
REC	0	5.1

REF. NO. / MODE		
MODE	1	2
PLAY	0	0
REC	0	0

REF. NO. / MODE		
MODE	1	2
PLAY	0	2.5
REC	0	2.5

REF. NO. / MODE		
MODE	1	2
PLAY	0.3	0
REC	0.3	0.4

REF. NO. / MODE		
MODE	1	2
PLAY	0	0
REC	0	0

TIME CODE (2)

REF. NO. / MODE		
MODE	1	2
PLAY	0	5.1
REC	0	5.1

REF. NO. / MODE		
MODE	1	2
PLAY	0	0
REC	0	0

REF. NO. / MODE		
MODE	1	2
PLAY	4.5	4.5
REC	4.4	4.5

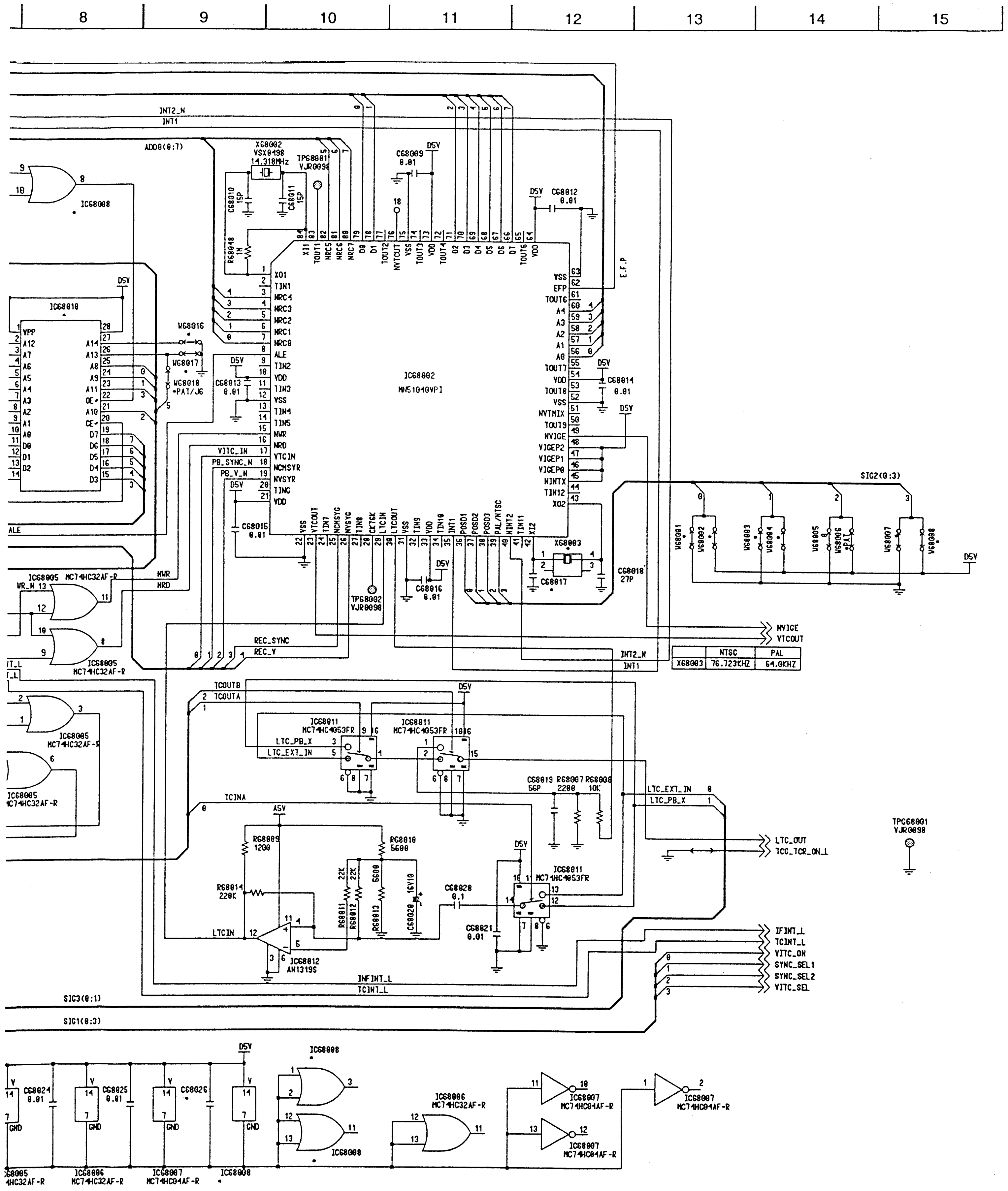
REF. NO. / MODE		
MODE	1	2
PLAY	4.5	4.5
REC	4.5	4.5

REF. NO. / MODE		
MODE	1	2
PLAY	0	5.1
REC	0	5.1

REF. NO. / MODE		
MODE	1	2
PLAY	4.5	4.9
REC	4.5	4.8

REF. NO. / MODE		
MODE	1	2
PLAY	0	4.5
REC	0	4.4

REF. NO. / MODE	IC68	
MODE	21	22
PLAY	0.1	0
REC	0.1	0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IC68002
MN51040VPJ
XG8002
VSX0498
14.318MHz
TPG8001
VJR0098
IC68010
IC68008
IC68005
MC74HC32AF-R
IC68006
MC74HC32AF-R
IC68007
MC74HC04AF-R
IC68011
MC74HC4053FR
IC68012
AN1319S
XG8003
NTSC
PAL
76.723KHZ
64.0KHZ
INT2_N
INT1
AD08(0:7)
D5V
A5V
NVICE
NVTCOUT
REC_SYNC
REC_V
TCOUTB
TCOUTA
TCINA
LTCIN
LTC_PB_X
LTC_EXT_IN
LTC_OUT
TCC_TCR_ON_L
IFINT_L
TCINT_L
VITC_ON
SYNC_SEL1
SYNC_SEL2
VITC_SEL
INFINT_L
TCINT_L
SIG1(0:3)
SIG2(0:3)
SIG3(0:1)
VITC_IN
PB_SYNC_N
PB_V_N
NWR
NRD
ALE
E.F.P
TPG8002
VJR0098
TPG8001
VJR0098
WG8016
WG8017
WG8018
+PAT/JG

TIME CODE (1)

REF. NO.	IC68004			IC68005														
MODE	I	G	O	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	5.1	0	5.0	5.1	5.1	5.1	5.1	3.7	5.1	0	5.1	3.7	4.0	5.1	4.0	5.1	5.1
REC	5.1	0	5.0	5.1	5.1	5.1	5.1	3.7	5.1	0	5.1	3.7	4.1	5.1	4.0	5.1	5.1

REF. NO.	IC68006													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	0	0	0	0	0	0	0	4.0	4.0	0	0	0	0	5.1
REC	0	0	0	0	0	0	0	4.0	4.1	0	0	0	0	5.1

REF. NO.	IC68007													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	0	5.1	5.0	0	1.0	4.0	0	5.1	0	5.1	0	5.1	0	5.1
REC	0	5.1	5.0	0	0.9	4.1	0	5.1	0	5.1	0	5.1	0	5.1

REF. NO.	IC68008													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	0	0	0	0.9	0	0.9	0	3.8	1.0	3.7	0	0	0	5.1
REC	0	0	0	0.9	0	0.9	0	3.7	0.9	3.7	0	0	0	5.1

REF. NO.	IC68009																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	2.5	1.7	2.0	2.4	2.6	1.8	2.1	2.4	0	0.6	2.6	2.3	2.5	2.3	2.1	1.6	1.4	2.9	5.1
REC	0	2.5	1.7	2.0	2.4	2.6	2.2	2.1	2.4	0	0.6	2.6	2.0	2.4	2.3	2.5	1.6	1.6	2.7	5.1

REF. NO.	IC68011															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0.3	0	0	0	0	0	0	0	5.1	0	0	0	0	0	0	5.1
REC	0.3	0.4	0.4	0.4	0	0	0	0	5.1	5.1	0	0.4	0	0.4	0.3	5.1

REF. NO.	IC68012													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	0	0	0	2.2	2.4	0	2.0	0	2.7	2.7	4.9	4.9	0	0
REC	0	0	0	2.4	2.4	0	2.0	0	2.7	2.7	4.9	2.5	0	0

TIME CODE (2)

REF. NO.	IC68007													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	0	5.1	5.0	0	1.0	4.0	0	5.1	0	5.1	0	5.1	0	5.1
REC	0	5.1	5.0	0	0.9	4.1	0	5.1	0	5.1	0	5.1	0	5.1

REF. NO.	IC68012													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	0	0	0	2.2	2.4	0	2.0	0	2.7	2.7	4.9	4.9	0	0
REC	0	0	0	2.4	2.4	0	2.0	0	2.7	2.7	4.9	2.5	0	0

REF. NO.	IC68013															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	4.5	4.5	0.6	0	0	0	0	0	0	0	0	0	0.1	0	4.5	5.1
REC	4.4	4.5	0.6	0.6	0	0	0	0	5.1	5.1	5.1	0	0.1	0.1	4.4	5.1

REF. NO.	IC68014															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	4.5	4.5	1.4	0	0	0	0	0	0	0	0	0	1.4	0	4.5	5.1
REC	4.5	4.5	1.4	0	0	0	0	0	0	0	0	0	1.4	0	4.4	5.1

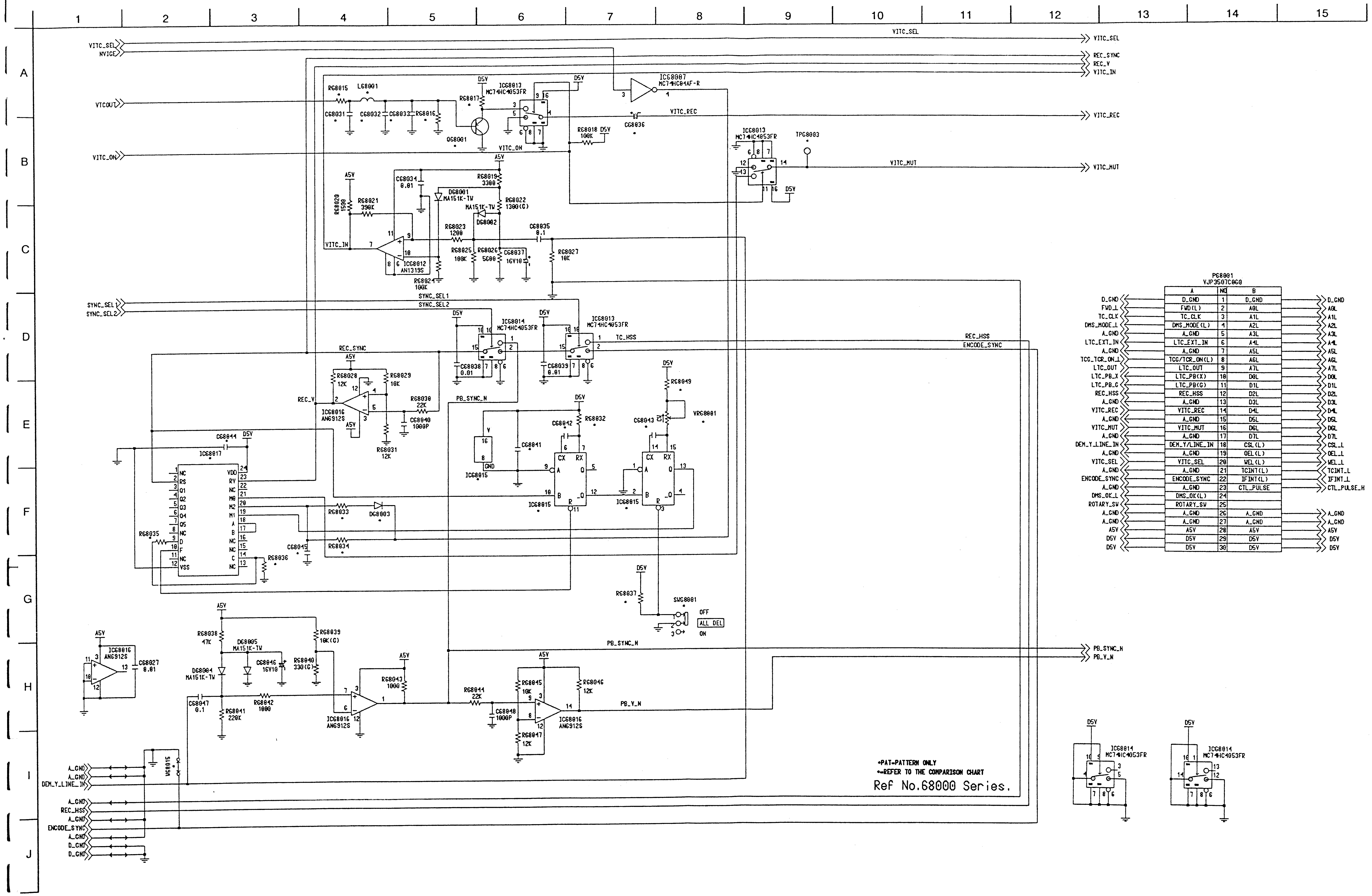
REF. NO.	IC68015															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PLAY	0	5.1	5.1	4.9	0	0	5.1	0	0	4.5	0.1	5.1	0.1	0	5.0	5.1
REC	0	5.1	5.1	4.9	0	0	5.1	0	0	4.4	0.1	5.1	0.1	0	5.1	5.1

REF. NO.	IC68016													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	4.5	4.9	4.9	2.7	4.5	0.1	0.7	2.7	4.5	0	0	0	1.5	4.8
REC	4.5	4.8	4.9	2.6	4.4	0.1	0.7	2.7	4.5	0	0	0	1.3	4.8

REF. NO.	IC68017																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	4.5	0	0	0	0.1	0	0.1	5.0	0.1	0.1	0	0.1	0	0.1	4.8	0	0	0.1	0
REC	0	4.4	0	0	0	0	0	0.1	5.0	0.1	0.1	0	0.1	0	0.1	4.8	0	0	0.1	0

REF. NO.	IC68017			
MODE	21	22	23	24
PLAY	0.1	0	4.8	5.1
REC	0.1	0	4.8	5.1

TIME CODE (2) SCHEMATIC DIAGRAM 2/3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14
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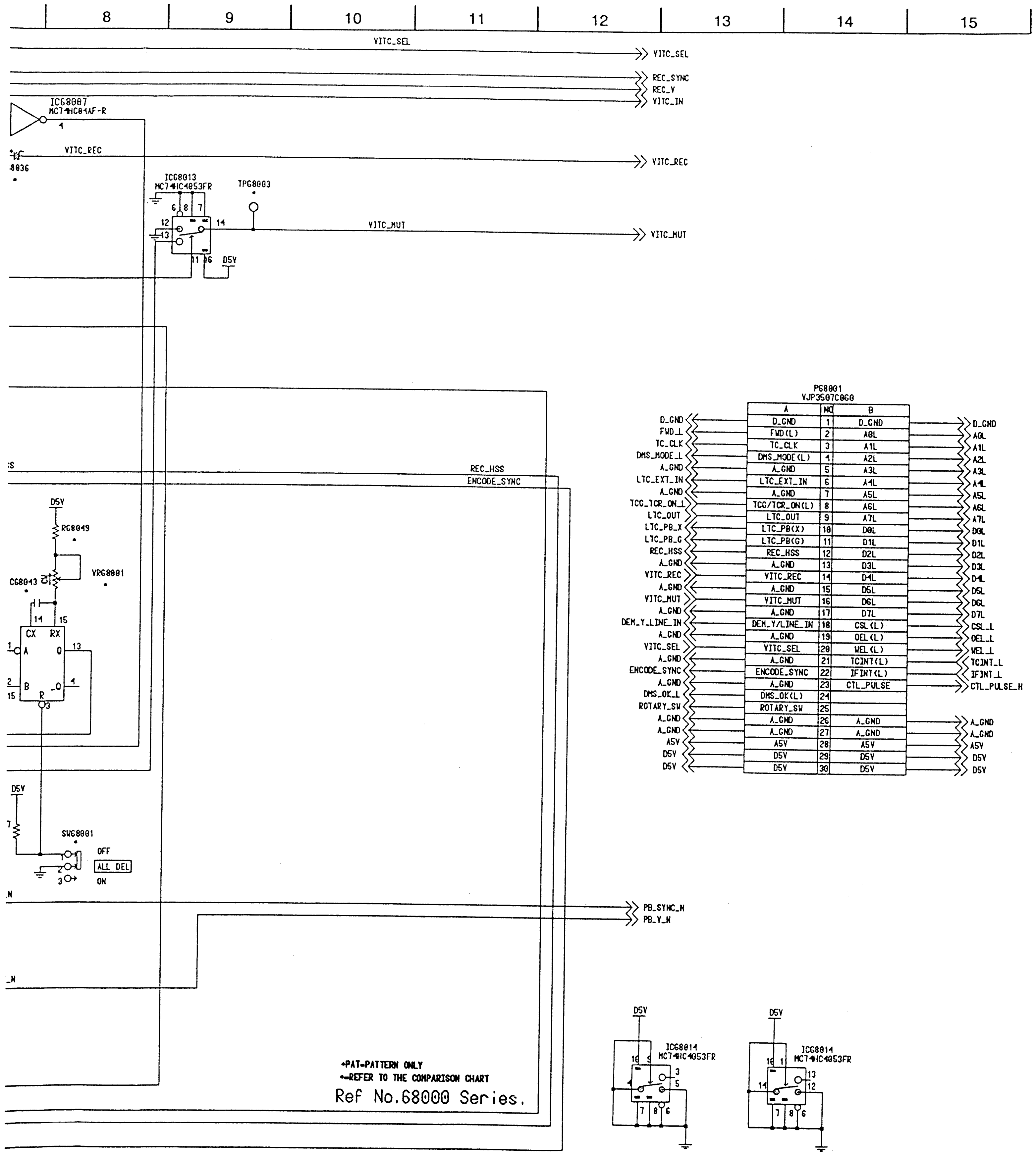
A
B
C
D
E
F
G
H
I
J
VITC_SEL
NVIGE
VTCOUT
VITC_ON
SYNC_SEL1
SYNC_SEL2
VITC_SEL
REC_SYNC
REC_V
VITC_IN
VITC_REC
VITC_MUT
R68015
L68001
C68031
C68032
C68033
R68016
R68017
Q68001
IC68013
MC74HC4053FR
IC68007
MC74HC04AF-R
C68036
R68018 100K
TP68003
IC68012
AN1319S
D68001
MA151K-TW
D68002
R68019 3300
R68020 1500
R68021 390K
R68022 1300(C)
R68023 1200
R68024 100K
R68025 100K
R68026 5600
C68034 0.01
C68035 0.1
C68037 16V10
R68027 10K
IC68014
MC74HC4053FR
C68038 0.01
C68039 0.01
TC_HSS
REC_HSS
ENCODE_SYNC
IC68016
AN6912S
R68028 12K
R68029 10K
R68030 22K
C68040 1000P
R68031 12K
REC_V
PB_SYNC_N
IC68017
C68044
R68033
D68003
R68034
R68035
R68036
C68045
IC68015
C68041
C68042
R68032
C68043
VR68001
R68049
R68037
SW68001
OFF
ALL DEL
ON
IC68016
AN6912S
C68027 0.01
R68038 47K
D68005 MA151K-TW
D68004 MA151K-TW
C68046 16V10
R68039 10K(C)
R68040 330(C)
C68047 0.1
R68041 220K
R68042 1000
R68043 1000
R68044 22K
C68048 1000P
R68045 10K
R68046 12K
R68047 12K
PB_SYNC_N
PB_Y_N
A_GND
A_GND
DEM_Y_LINE_IN
A_GND
REC_HSS
A_GND
ENCODE_SYNC
A_GND
D_GND
D_GND
W68015
A5V
D5V

PG8001
VJP3507C060

	A	NO	B	
D_GND	D_GND	1	D_GND	D_GND
FWD_L	FWD(L)	2	A0L	A0L
TC_CLK	TC_CLK	3	A1L	A1L
DMS_MODE_L	DMS_MODE(L)	4	A2L	A2L
A_GND	A_GND	5	A3L	A3L
LTC_EXT_IN	LTC_EXT_IN	6	A4L	A4L
A_GND	A_GND	7	A5L	A5L
TCG_TCR_ON_L	TCG/TCR_ON(L)	8	A6L	A6L
LTC_OUT	LTC_OUT	9	A7L	A7L
LTC_PB_X	LTC_PB(X)	10	D0L	D0L
LTC_PB_G	LTC_PB(G)	11	D1L	D1L
REC_HSS	REC_HSS	12	D2L	D2L
A_GND	A_GND	13	D3L	D3L
VITC_REC	VITC_REC	14	D4L	D4L
A_GND	A_GND	15	D5L	D5L
VITC_MUT	VITC_MUT	16	D6L	D6L
A_GND	A_GND	17	D7L	D7L
DEM_Y_LINE_IN	DEM_Y/LINE_IN	18	CSL(L)	CSL_L
A_GND	A_GND	19	OEL(L)	OEL_L
VITC_SEL	VITC_SEL	20	WEL(L)	WEL_L
A_GND	A_GND	21	TCINT(L)	TCINT_L
ENCODE_SYNC	ENCODE_SYNC	22	IFINT(L)	IFINT_L
A_GND	A_GND	23	CTL_PULSE	CTL_PULSE_H
DMS_OK_L	DMS_OK(L)	24		
ROTARY_SW	ROTARY_SW	25		
A_GND	A_GND	26	A_GND	A_GND
A_GND	A_GND	27	A_GND	A_GND
A5V	A5V	28	A5V	A5V
D5V	D5V	29	D5V	D5V
D5V	D5V	30	D5V	D5V

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART

Ref No.68000 Series.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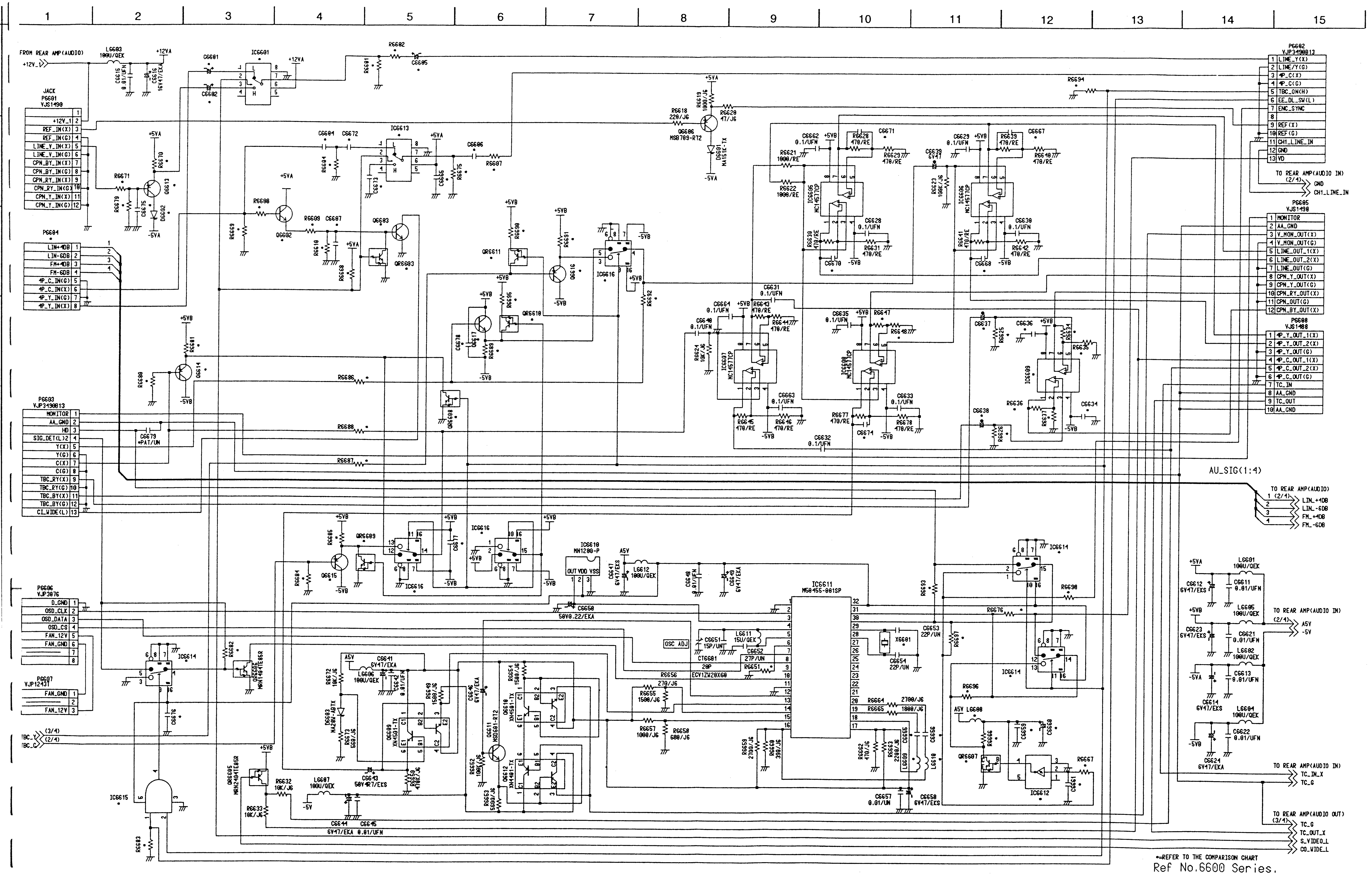
VITC_SEL
REC_SYNC
REC_V
VITC_IN
IC68007
MC74HC04AF-R
VITC_REC
IC68013
MC74HC4053FR
TP68003
VITC_MUT
D5V
REC_HSS
ENCODE_SYNC
R68049
VR68001
C68043
CX
RX
SW68001
OFF
ALL DEL
ON
PG68001
VJP3507C060
D_GND
FWD_L
TC_CLK
DMS_MODE_L
A_GND
LTC_EXT_IN
TCG_TCR_ON_L
LTC_OUT
LTC_PB_X
LTC_PB_G
VITC_SEL
DEM_Y_LINE_IN
ENCODE_SYNC
DMS_OK_L
ROTARY_SW
A5V
D5V
A0L
A1L
A2L
A3L
A4L
A5L
A6L
A7L
D0L
D1L
D2L
D3L
D4L
D5L
D6L
D7L
CSL_L
OEL_L
WEL_L
TCINT_L
IFINT_L
CTL_PULSE_H
PB_SYNC_H
PB_Y_H
IC68014
MC74HC4053FR

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.68000 Series.

TIME CODE COMPARISON CHART 3/3

REF	DS555	DS545
C68008	*PAT/UFN	*PAT/UFN
C68017	18P/UN	18P/UN
C68022	*PAT/UFN	*PAT/UFN
C68026	*PAT/UFN	*PAT/UFN
C68031	5P/UN	*PAT/UN
C68032	56P/UN	*PAT/UN
C68033	6P/UN	*PAT/UN
C68036	50V2R2/EVV	*PAT/EVV
C68041	0.01/UFN	*PAT/UFN
C68042	1000P/UN	*PAT/UN
C68043	1000P/HU	*PAT/HU
C68044	0.01/UFN	*PAT/UFN
C68045	150P/UN	*PAT/UN
D68003	*PAT	*PAT
IC68001	UPD78224J607	UPD78224J607
IC68008	*PAT	*PAT
IC68009	*PAT	*PAT
IC68010	*PAT	*PAT
IC68015	TC74HC221AFT	*PAT
IC68017	UPD65005X436	*PAT
L68001	220U/LC	*PAT/LC
Q68001	MSB709-RT2	*PAT
R68015	2700/J6	*PAT/J6
R68016	2700/J6	*PAT/J6
R68017	1000/J6	*PAT/J6
R68032	2700/RE	*PAT/RE
R68033	*PAT/RE	*PAT/RE
R68034	15K/RE	*PAT/RE
R68035	*PAT/J6	*PAT/J6
R68036	10K/J6	*PAT/J6
R68037	10K/J6	*PAT/J6
R68049	39K/J6	*PAT/J6
SW68001	VSS0342	*PAT
TP68003	VJR0098	*PAT
VR68001	20KB	*PAT
W68001	0/J6	0/J6
W68002	*PAT/J6	*PAT/J6
W68003	0/J6	0/J6
W68004	*PAT/J6	*PAT/J6
W68006	*PAT/J6	*PAT/J6
W68007	0/J6	0/J6
W68008	*PAT/J6	*PAT/J6
W68009	0/J6	0/J6
W68010	*PAT/J6	*PAT/J6
W68011	0/J6	0/J6
W68012	*PAT/J6	*PAT/J6
W68015	*PAT/J6	*PAT/J6
W68016	*PAT/J6	*PAT/J6
W68017	*PAT/J6	*PAT/J6
W68018	*PAT/J6	*PAT/J6
X68003	VSX0614-T	VSX0614-T

EAR AMP (1) SCHEMATIC DIAGRAM 1/4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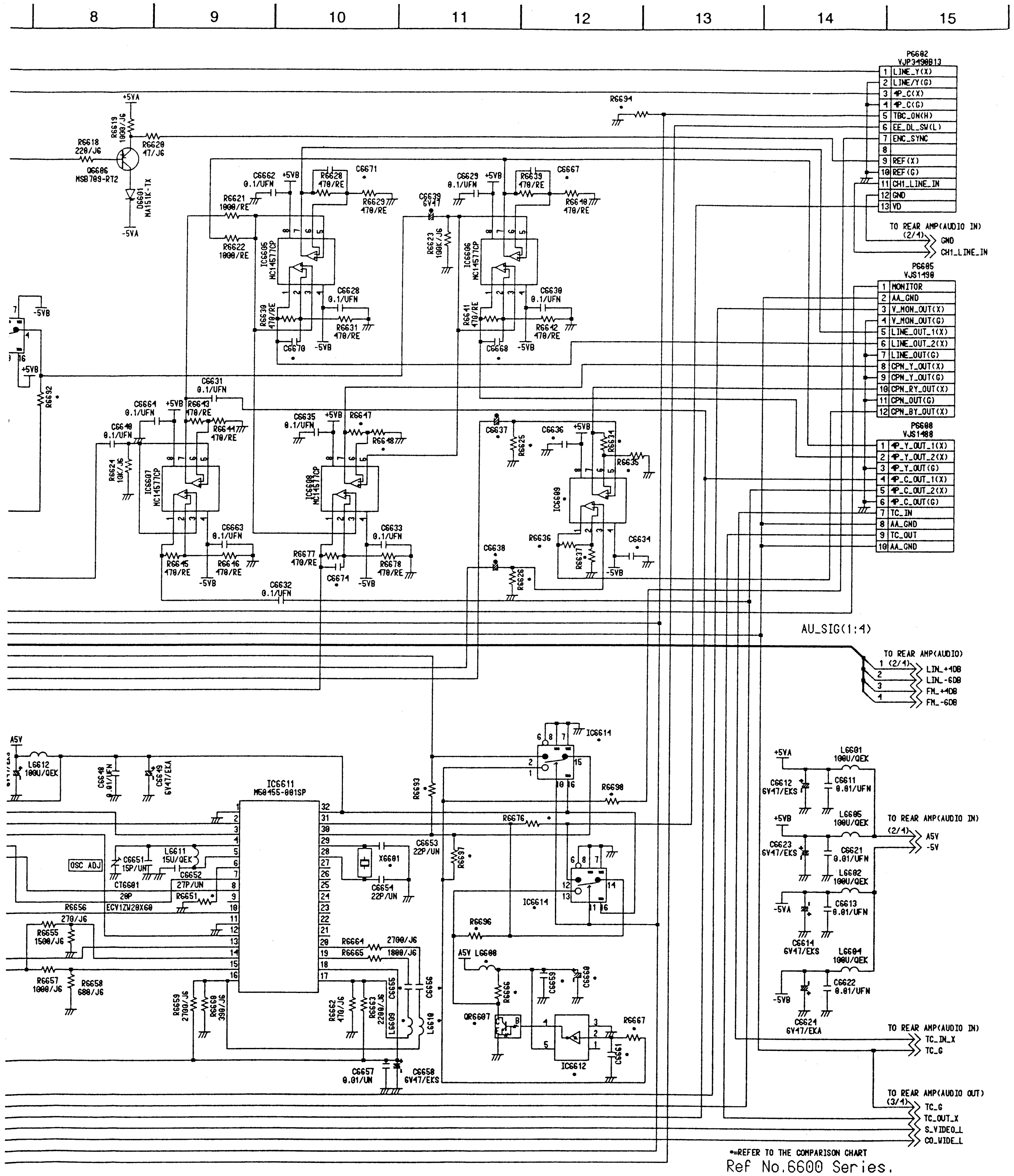
FROM REAR AMP(AUDIO)
+12V_1
L6603 100U/QEX
+12VA
C6615 0.01/UFN
C6616 16V47/EKA
JACK P6601 VJS1490
+12V_1 2
REF_IN(X) 3
REF_IN(G) 4
LINE_V_IN(X) 5
LINE_V_IN(G) 6
CPN_BY_IN(X) 7
CPN_BY_IN(G) 8
CPN_RY_IN(X) 9
CPN_RY_IN(G) 10
CPN_Y_IN(X) 11
CPN_Y_IN(G) 12
P6604
LIN+4DB 1
LIN-6DB 2
FM+4DB 3
FM-6DB 4
4P_C_IN(G) 5
4P_C_IN(X) 6
4P_Y_IN(G) 7
4P_Y_IN(X) 8
P6603 VJP3490B13
MONITOR 1
AA_GND 2
HD 3
SIG_DET(L)2 4
Y(X) 5
Y(G) 6
C(X) 7
C(G) 8
TBC_RY(X) 9
TBC_RY(G) 10
TBC_BY(X) 11
TBC_BY(G) 12
CI_WIDE(L) 13
C6679 *PAT/UN
P6606 VJP3076
D_GND 1
OSD_CLK 2
OSD_DATA 3
OSD_CS 4
FAN_12V 5
FAN_GND 6
P6607 VJP12431
FAN_GND 1
FAN_12V 3
TBC_Y (3/4)
TBC_C (2/4)
IC6601
IC6613
IC6614
IC6615
IC6616
IC6610 MN1280-P
IC6611 M50455-001SP
IC6612
IC6606 MC14557CP
IC6607 MC14557CP
IC6608 MC14557CP
IC6609
Q6606 MSB709-RT2
D6601 MA151K-TX
Q6609 XN4501-TX
Q6610 XN4501-TX
Q6611 MSD601-R12
Q6612 XN4401-TX
QR6605 MRN2404TE85R
QR6606 MRN1404TE85R
D6603 MA28W-AGTX
X6601
OSC ADJ
CT6601 20P ECV1ZW20X60
C6650 50V0.22/EKA
AU_SIG(1:4)
P6602 VJP3490B13
1 LINE_Y(X)
2 LINE/Y(G)
3 4P_C(X)
4 4P_C(G)
5 TBC_ON(H)
6 EE_DL_SW(L)
7 ENC_SYNC
8
9 REF(X)
10 REF(G)
11 CH1_LINE_IN
12 GND
13 VD
TO REAR AMP(AUDIO IN) (2/4)
GND
CH1_LINE_IN
P6605 VJS1490
1 MONITOR
2 AA_GND
3 V_MON_OUT(X)
4 V_MON_OUT(G)
5 LINE_OUT_1(X)
6 LINE_OUT_2(X)
7 LINE_OUT(G)
8 CPN_Y_OUT(X)
9 CPN_Y_OUT(G)
10 CPN_RY_OUT(X)
11 CPN_OUT(G)
12 CPN_BY_OUT(X)
P6608 VJS1488
1 4P_Y_OUT_1(X)
2 4P_Y_OUT_2(X)
3 4P_Y_OUT(G)
4 4P_C_OUT_1(X)
5 4P_C_OUT_2(X)
6 4P_C_OUT(G)
7 TC_IN
8 AA_GND
9 TC_OUT
10 AA_GND
TO REAR AMP(AUDIO) 1 (2/4)
LIN_+4DB
LIN_-6DB
FM_+4DB
FM_-6DB
TO REAR AMP(AUDIO IN) (2/4)
A5V
-5V
TO REAR AMP(AUDIO IN)
TC_IN_X
TC_G
TO REAR AMP(AUDIO OUT) (3/4)
TC_G
TC_OUT_X
S_VIDEO_L
CO_WIDE_L

*=REFER TO THE COMPARISON CHART

Ref No.6600 Series.

REAR AM

REF. NO.	
MODE	1
STOP	7.2
REC	7.2
REF. NO.	
MODE	1
STOP	0
REC	0
REF. NO.	
MODE	1
STOP	3.2
REC	3.2
REF. NO.	
MODE	1
STOP	0
REC	0
REF. NO.	
MODE	21
STOP	0
REC	0
REF. NO.	
MODE	E
STOP	–0.7
REC	–0.7
REF. NO.	
MODE	1
STOP	4.8
REC	4.8
REF. NO.	
MODE	1
STOP	–4.9
REC	–4.9
REF. NO.	
MODE	E
STOP	0
REC	0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P6602
VJP3490B13
LINE_Y(X)
LINE/Y(G)
4P_C(X)
4P_C(G)
TBC_ON(H)
EE_DL_SW(L)
ENC_SYNC
REF(X)
REF(G)
CH1_LINE_IN
GND
VD
TO REAR AMP(AUDIO IN) (2/4)
GND
CH1_LINE_IN
P6605
VJS1490
MONITOR
AA_GND
V_MON_OUT(X)
V_MON_OUT(G)
LINE_OUT_1(X)
LINE_OUT_2(X)
LINE_OUT(G)
CPN_Y_OUT(X)
CPN_Y_OUT(G)
CPN_RY_OUT(X)
CPN_OUT(G)
CPN_BY_OUT(X)
P6608
VJS1480
4P_Y_OUT_1(X)
4P_Y_OUT_2(X)
4P_Y_OUT(G)
4P_C_OUT_1(X)
4P_C_OUT_2(X)
4P_C_OUT(G)
TC_IN
AA_GND
TC_OUT
AA_GND
IC6605
MC14157CP
IC6606
MC14157CP
IC6607
MC14157CP
IC6608
MC14157CP
IC6609
IC6611
M58455-001SP
IC6612
IC6614
X6601
OSC ADJ
Q6606
MSB709-RT2
D6601
MA151K-TX
QR6607
AU_SIG(1:4)
TO REAR AMP(AUDIO)
LIN_+4DB
LIN_-6DB
FN_+4DB
FN_-6DB
TO REAR AMP(AUDIO IN) (2/4)
A5V
-5V
TO REAR AMP(AUDIO IN)
TC_IN_X
TC_G
TO REAR AMP(AUDIO OUT) (3/4)
TC_G
TC_OUT_X
S_VIDEO_L
CO_VIDE_L
+5VA
-5VA
+5VB
-5VB
A5V

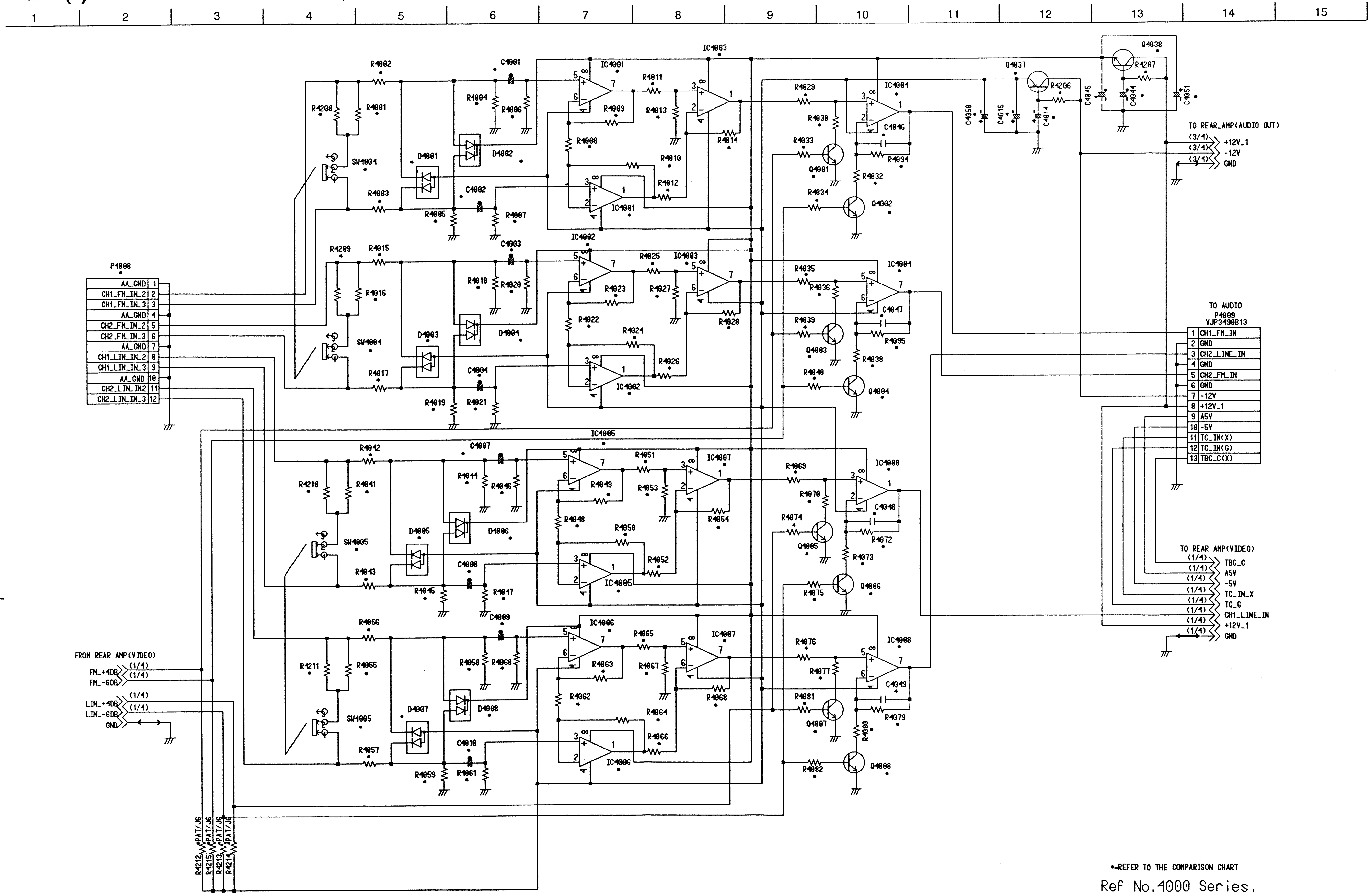
*=REFER TO THE COMPARISON CHART

Ref No.6600 Series.

REAR AMP (1)

REF. NO.	IC6601								IC6605											
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8				
STOP	7.2	3.6	7.1	0	0	11.5	6.4	0	0	0	0	–4.4	0	0	0	4.4				
REC	7.2	3.6	7.1	0	0	11.5	6.4	0	0	0	0	–4.4	0	0	0	4.4				
REF. NO.	IC6606								IC6607											
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8				
STOP	0	0	0	–4.4	0	0	0	4.4	0	0	0	–4.4	0	0	0	4.4				
REC	0	0	0	–4.4	0	0	0	4.4	0	0	0	–4.4	0	0	0	4.4				
REF. NO.	IC6608								IC6609								IC6610			
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	
STOP	3.2	0	0	–4.4	0	0	0	4.4	0	0	0	–4.4	0	0	0	4.4	0	4.9	4.9	
REC	3.2	0	0	–4.4	0	0	0	4.4	0	0	0	–4.4	0	0	0	4.4	0	4.9	4.9	
REF. NO.	IC6611																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	5.0	4.9	2.2	2.1	4.8	4.1	0.1	0.5	4.8	0	1.1	1.1	0.7	2.0	0.6	0.8	4.8	0.3	0.2
REC	0	5.0	4.9	2.2	2.1	4.8	4.1	0.1	0.5	4.8	0	1.1	1.1	0.7	2.0	0.6	0.9	4.8	0	0
REF. NO.	IC6611												IC6612							
MODE	21	22	23	24	25	26	27	28	29	30	31	32	1	2	3	4	5			
STOP	0	0.1	0.1	0	0	0	4.7	2.3	2.3	4.5	4.9	4.9	0	4.5	0	0.1	4.9			
REC	0	0.1	0	0	0	0	4.7	2.3	2.3	4.5	4.9	4.9	0	4.5	0	0.1	4.9			
REF. NO.	Q6601			Q6602			Q6603			Q6606										
MODE	E	C	B	E	C	B	E	C	B	E	C	B								
STOP	–0.7	4.9	0	0	4.9	0	0	5.1	0	4.9	–4.7	4.2								
REC	–0.7	4.9	0	0	4.9	0	0	5.1	0	4.9	–4.7	4.2								
REF. NO.	Q6609						Q6610						Q6611							
MODE	1	2	3	4	5	6	1	2	3	4	5	6	E	C	B					
STOP	4.8	1.7	1.1	4.8	1.3	1.7	0.5	0.5	–0.2	4.8	0.5	–0.2	–0.8	4.8	–0.2					
REC	4.8	1.7	1.1	4.8	1.3	1.7	0.4	0.4	–0.2	4.8	0.4	–0.2	–0.8	4.8	–0.2					
REF. NO.	Q6612						Q6613													
MODE	1	2	3	4	5	6	E	C	B											
STOP	–4.9	–0.8	–0.2	–4.9	–0.8	–0.2	0.8	–4.2	0.2											
REC	–4.9	–0.8	–0.2	–4.9	–0.8	–0.2	0.8	–4.2	0.2											
REF. NO.	QR6603			QR6605			QR6606			QR6607										
MODE	E	C	B	E	C	B	E	C	B	E	C	B								
STOP	0	0	3.6	4.4	0.3	4.8	0	4.8	0	0	4.8	0.1								
REC	0	0	3.6	4.4	0.5	4.8	0	4.8	0	0	4.9	0.1								

R AMP (2) SCHEMATIC DIAGRAM 2/4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P4008
AA_GND 1
CH1_FM_IN_2 2
CH1_FM_IN_3 3
AA_GND 4
CH2_FM_IN_2 5
CH2_FM_IN_3 6
AA_GND 7
CH1_LIN_IN_2 8
CH1_LIN_IN_3 9
AA_GND 10
CH2_LIN_IN2 11
CH2_LIN_IN_3 12
FROM REAR AMP(VIDEO)
FM_+4DB (1/4)
FM_-6DB (1/4)
LIN_+4DB (1/4)
LIN_-6DB (1/4)
GND
R4212 PAT/J6
R4215 PAT/J6
R4213 PAT/J6
R4214 PAT/J6
R4208
R4209
R4210
R4211
R4001
R4002
R4003
R4004
R4005
R4006
R4007
R4008
R4009
R4010
R4011
R4012
R4013
R4014
R4015
R4016
R4017
R4018
R4019
R4020
R4021
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R4072
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R4077
R4078
R4079
R4080
R4081
R4082
R4206
R4207
SW4004
SW4005
D4001
D4002
D4003
D4004
D4005
D4006
D4007
D4008
C4001
C4002
C4003
C4004
C4007
C4008
C4009
C4010
C4014
C4015
C4044
C4045
C4046
C4047
C4048
C4049
C4050
C4051
IC4001
IC4002
IC4003
IC4004
IC4005
IC4006
IC4007
IC4008
Q4001
Q4002
Q4003
Q4004
Q4005
Q4006
Q4007
Q4008
Q4037
Q4038
TO REAR_AMP(AUDIO OUT)
(3/4) +12V_1
(3/4) -12V
(3/4) GND
TO AUDIO
P4009
VJP3490B13
1 CH1_FM_IN
2 GND
3 CH2_LINE_IN
4 GND
5 CH2_FM_IN
6 GND
7 -12V
8 +12V_1
9 A5V
10 -5V
11 TC_IN(X)
12 TC_IN(G)
13 TBC_C(X)
TO REAR AMP(VIDEO)
(1/4) TBC_C
(1/4) A5V
(1/4) -5V
(1/4) TC_IN_X
(1/4) TC_G
(1/4) CH1_LINE_IN
(1/4) +12V_1
(1/4) GND

*-REFER TO THE COMPARISON CHART

Ref No.4000 Series.

REAR AMP (

REF. NO. / MODE	
	1
STOP	0
REC	0

REF. NO. / MODE	
	1
STOP	0
REC	0

REF. NO. / MODE	
	1
STOP	0
REC	0

REF. NO. / MODE	
	1
STOP	0
REC	0

REF. NO. / MODE	Q4
	E
STOP	0
REC	0

REF. NO. / MODE	Q4
	E
STOP	0
REC	0

REAR AMP (

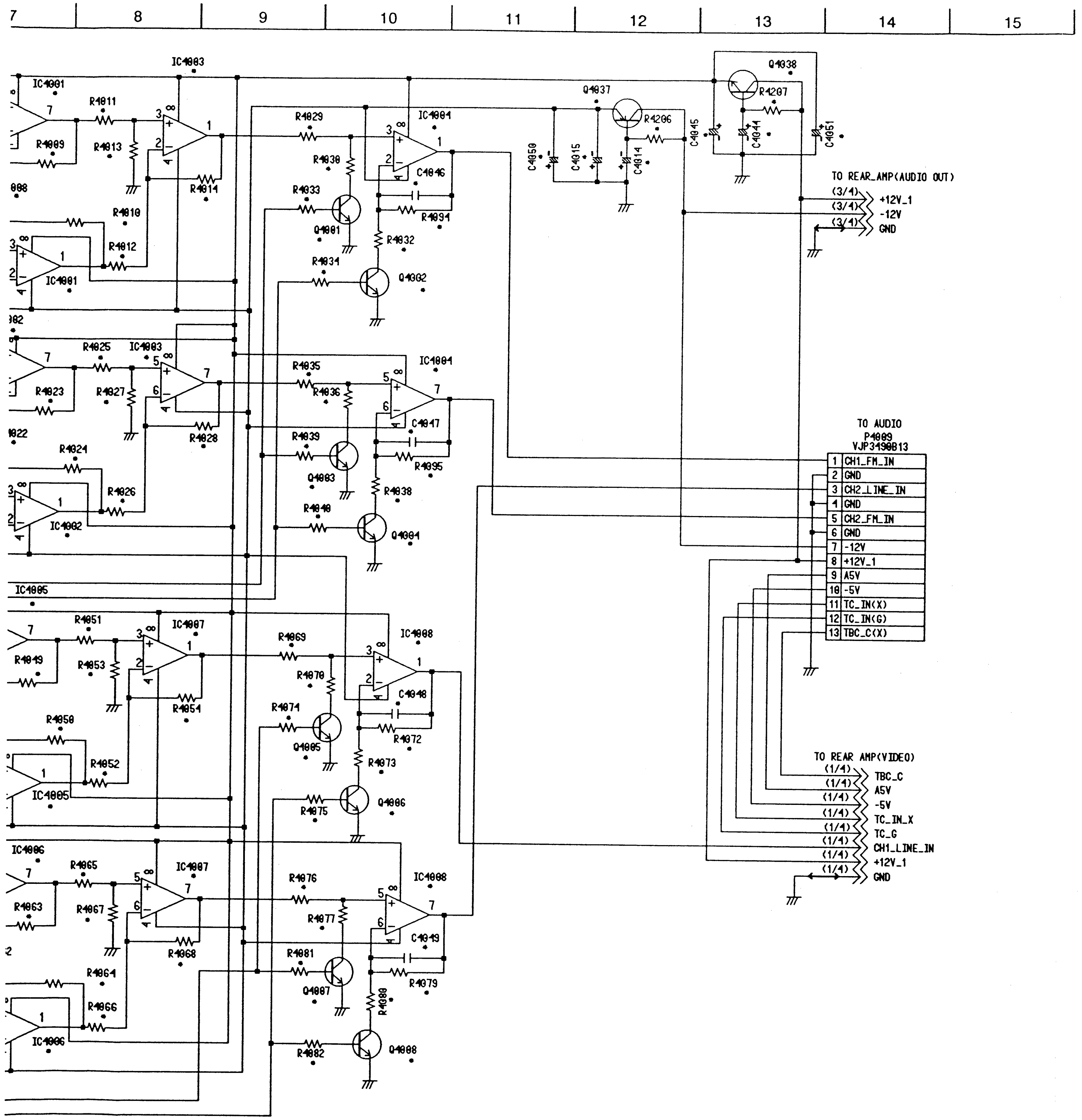
REF. NO. / MODE	
	1
STOP	0
REC	0

REF. NO. / MODE	
	1
STOP	0
REC	0

REF. NO. / MODE	Q4	
	E	
STOP	10.9	1
REC	10.8	1

REF. NO. / MODE	Q4
	E
STOP	0
REC	0

REF. NO. / MODE	Q4
	E
STOP	0
REC	0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IC4003
IC4001
R4011
R4009
R4013
R4010
R4014
R4012
IC4001
R4029
R4030
R4033
Q4001
R4031
R4032
R4034
Q4002
IC4004
C4046
Q4037
Q4038
R4207
R4206
C4050
C4015
C4014
C4045
C4044
C4051
TO REAR_AMP(AUDIO OUT)
(3/4)
+12V_1
(3/4)
-12V
(3/4)
GND
R4025
IC4003
R4023
R4027
R4028
R4024
R4026
IC4002
R4035
R4036
IC4004
C4047
R4039
Q4003
R4095
R4038
R4040
Q4004
TO AUDIO
P4009
VJP3490B13
1 CH1_FM_IN
2 GND
3 CH2_LINE_IN
4 GND
5 CH2_FM_IN
6 GND
7 -12V
8 +12V_1
9 A5V
10 -5V
11 TC_IN(X)
12 TC_IN(G)
13 TBC_C(X)
IC4005
R4051
IC4007
R4049
R4053
R4054
R4050
R4052
IC4005
R4069
IC4008
R4070
C4048
R4074
Q4005
R4072
R4073
R4075
Q4006
TO REAR AMP(VIDEO)
(1/4)
TBC_C
A5V
-5V
TC_IN_X
TC_G
CH1_LINE_IN
+12V_1
GND
IC4006
R4065
IC4007
R4063
R4067
R4068
R4064
R4066
IC4006
R4076
IC4008
R4077
C4049
R4081
Q4007
R4079
R4080
R4082
Q4008

*=REFER TO THE COMPARISON CHART

Ref No.4000 Series.

REAR AMP (2)

REF. NO. / MODE	IC4001								IC4002							
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
STOP	0	0	0	–11.4	0	0	0	10.9	0	0	0	–11.4	0	0	0	10.9
REC	0	0	0	–11.4	0	0	0	10.9	0	0	0	–11.4	0	0	0	10.9

REF. NO. / MODE	IC4003								IC4004							
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
STOP	0	0	0	–11.4	0	0	0	10.9	0	0	0	–11.4	0	0	0	10.9
REC	0	0	0	–11.4	0	0	0	10.9	0	0	0	–11.4	0	0	0	10.9

REF. NO. / MODE	IC4005								IC4006							
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
STOP	0	0	0	–11.4	0	0	0	10.9	0	0	0	–11.4	0	0	0	10.9
REC	0	0	0	–11.4	0	0	0	10.9	0	0	0	–11.4	0	0	0	10.9

REF. NO. / MODE	IC4007								IC4008							
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
STOP	0	0	0	–11.4	0	0	0	10.9	0	0	0	–11.4	0	0	0	10.9
REC	0	0	0	–11.5	0	0	0	10.9	0	0	0	–11.5	0	0	0	10.9

REF. NO. / MODE	Q4001			Q4002			Q4003			Q4004			Q4005			Q4006		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REF. NO. / MODE	Q4007			Q4008			Q4037			Q4038		
	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	0	0	0	0	–11.5	–12.2	–12.1	10.9	11.6	11.6
REC	0	0	0	0	0	0	–11.5	–12.2	–12.1	10.9	11.6	11.5

REAR AMP (3)

REF. NO. / MODE	IC4014								IC4015							
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
STOP	0	0	0	–11.4	0	0	0	10.9	0	0	0	–11.4	0	0	0	10.9
REC	0	0	0	–11.5	0	0	0	10.9	0	0	0	–11.5	0	0	0	10.9

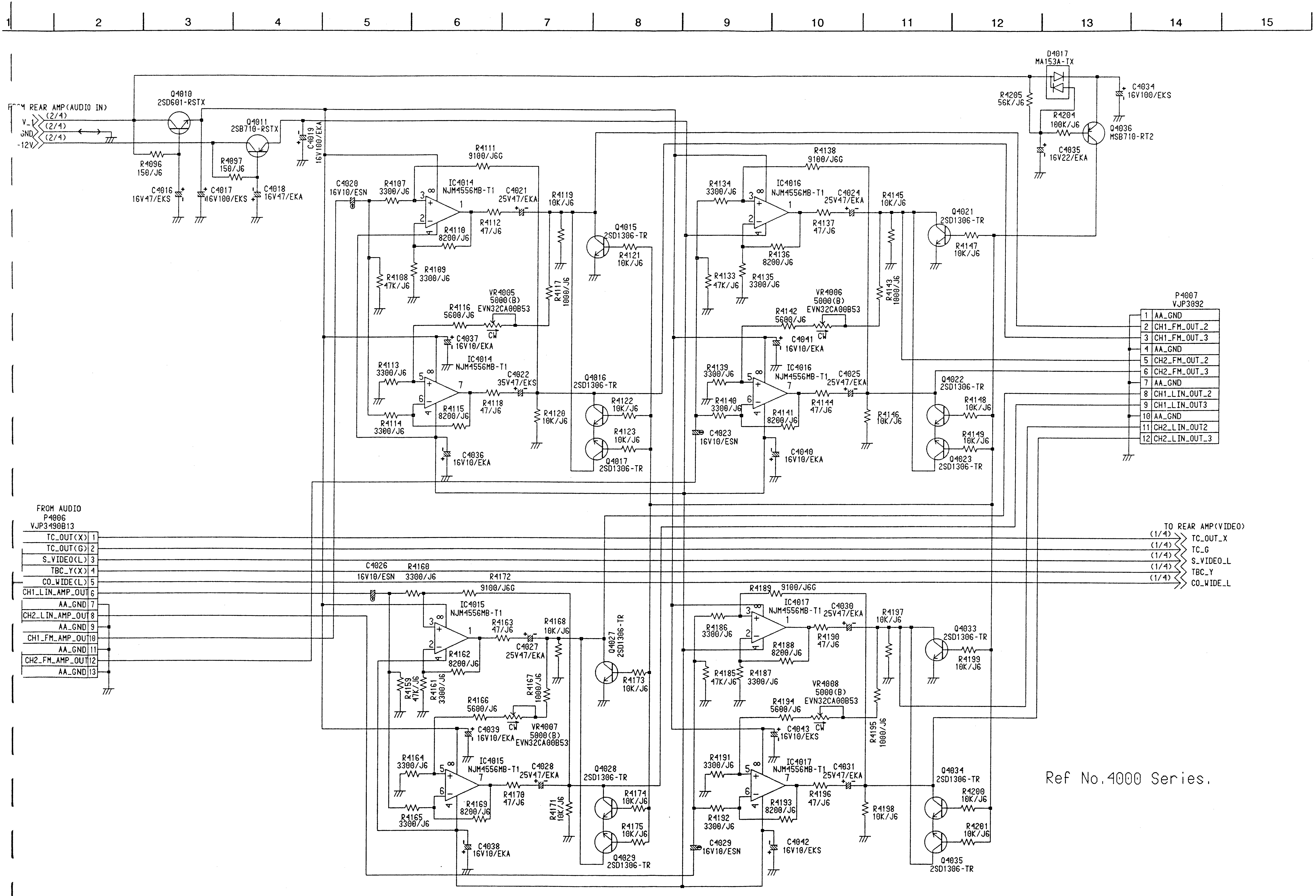
REF. NO. / MODE	IC4016								IC4017							
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
STOP	0	0	0	–11.4	0	0	0	10.9	0	0	0	–11.4	0	0	0	10.9
REC	0	0	0	–11.5	0	0	0	10.9	0	0	0	–11.5	0	0	0	10.9

REF. NO. / MODE	Q4010			Q4011			Q4015			Q4016			Q4017			Q4021		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	10.9	11.6	11.6	–11.5	–12.2	–12.1	0	0	–0.1	0	0	–0.1	0	0	–0.1	0	0	–0.1
REC	10.8	11.6	11.6	–11.5	–12.2	–12.1	0	0	–0.1	0.1	0	–0.1	0	0	–0.1	0	0	–0.1

REF. NO. / MODE	Q4022			Q4023			Q4027			Q4028			Q4029			Q4033		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	–0.1	0	0	–0.1	–0.2	0	–0.2	0	0	–0.2	0.1	0	–0.2	0	0	–0.1
REC	0	0	–0.1	0	0	–0.1	0	0	–0.2	0.1	0	–0.2	0	0	–0.3	0	0	–0.1

REF. NO. / MODE	Q4034			Q4035			Q4036		
	E	C	B	E	C	B	E	C	B
STOP	0	0	–0.1	0	0	–0.1	11.2	–0.1	11.4
REC	0	0	–0.1	0	0	–0.1	11.2	–0.2	11.4

AMP (3) SCHEMATIC DIAGRAM 3/4



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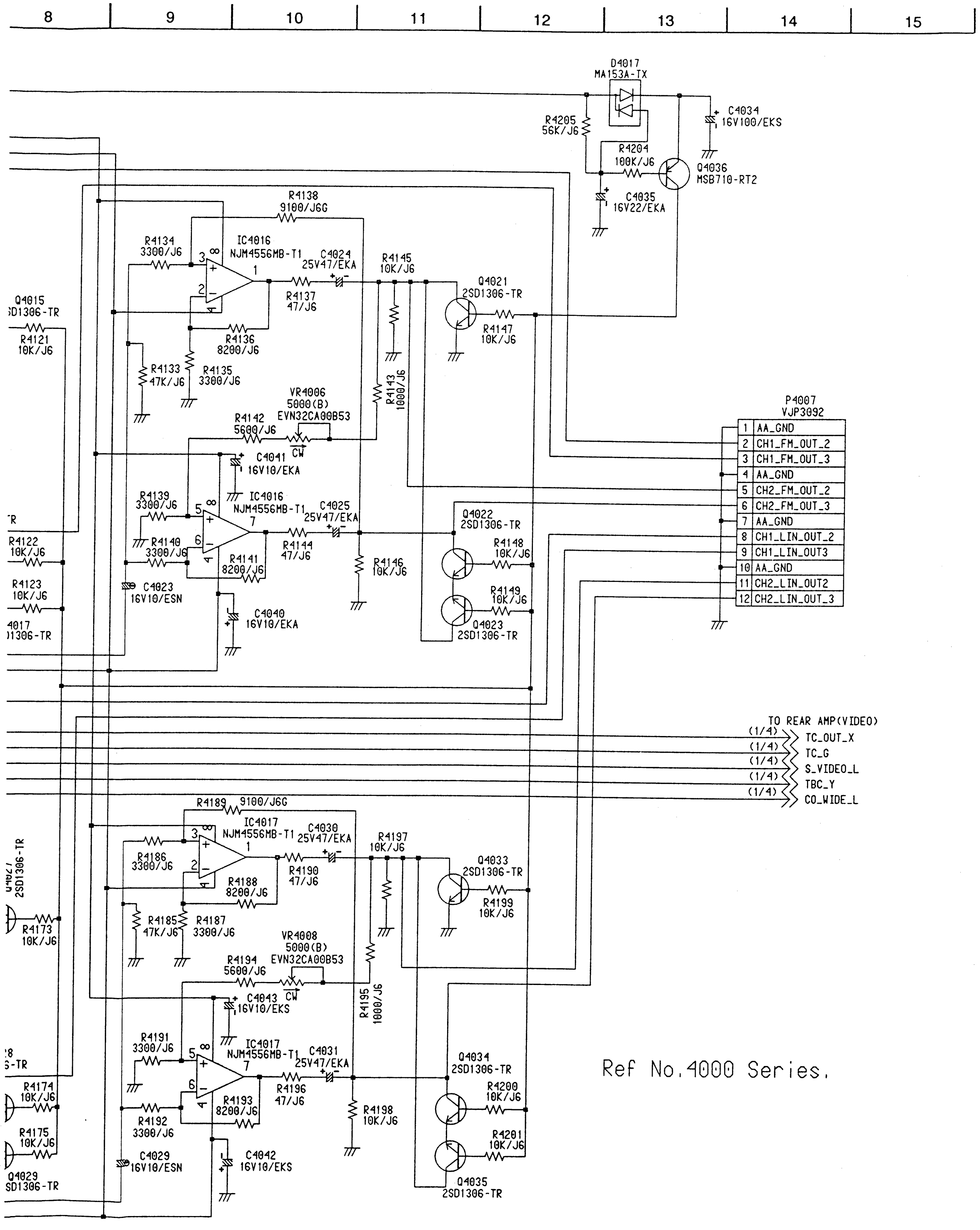
FROM REAR AMP(AUDIO IN)
V_L (2/4)
GND (2/4)
-12V (2/4)
Q4010 2SD601-RSTX
Q4011 2SB710-RSTX
R4096 150/J6
R4097 150/J6
C4016 16V47/EKS
C4017 16V100/EKS
C4018 16V47/EKA
C4019 16V100/EKA
C4020 16V10/ESN
R4107 3300/J6
IC4014 NJM4556MB-T1
R4111 9100/J6G
C4021 25V47/EKA
R4112 47/J6
R4110 8200/J6
R4119 10K/J6
R4108 47K/J6
R4109 3300/J6
R4117 1000/J6
Q4015 2SD1306-TR
R4121 10K/J6
VR4005 5000(B) EVN32CA00B53
R4116 5600/J6
C4037 16V10/EKA
R4113 3300/J6
C4022 35V47/EKS
R4118 47/J6
R4115 8200/J6
R4114 3300/J6
R4120 10K/J6
Q4016 2SD1306-TR
R4122 10K/J6
R4123 10K/J6
Q4017 2SD1306-TR
C4036 16V10/EKA
R4138 9100/J6G
R4134 3300/J6
IC4016 NJM4556MB-T1
C4024 25V47/EKA
R4145 10K/J6
R4137 47/J6
R4136 8200/J6
R4133 47K/J6
R4135 3300/J6
R4143 1000/J6
Q4021 2SD1306-TR
R4147 10K/J6
VR4006 5000(B) EVN32CA00B53
R4142 5600/J6
C4041 16V10/EKA
R4139 3300/J6
C4025 25V47/EKA
R4140 3300/J6
R4144 47/J6
R4141 8200/J6
R4146 10K/J6
C4023 16V10/ESN
C4040 16V10/EKA
Q4022 2SD1306-TR
R4148 10K/J6
R4149 10K/J6
Q4023 2SD1306-TR
D4017 MA153A-TX
R4205 56K/J6
C4034 16V100/EKS
R4204 100K/J6
Q4036 MSB710-RT2
C4035 16V22/EKA
P4007 VJP3092
1 AA_GND
2 CH1_FM_OUT_2
3 CH1_FM_OUT_3
4 AA_GND
5 CH2_FM_OUT_2
6 CH2_FM_OUT_3
7 AA_GND
8 CH1_LIN_OUT_2
9 CH1_LIN_OUT3
10 AA_GND
11 CH2_LIN_OUT2
12 CH2_LIN_OUT_3
FROM AUDIO
P4006
VJP3490B13
TC_OUT(X) 1
TC_OUT(G) 2
S_VIDEO(L) 3
TBC_Y(X) 4
CO_WIDE(L) 5
CH1_LIN_AMP_OUT 6
AA_GND 7
CH2_LIN_AMP_OUT 8
AA_GND 9
CH1_FM_AMP_OUT 10
AA_GND 11
CH2_FM_AMP_OUT 12
AA_GND 13
TO REAR AMP(VIDEO)
(1/4) TC_OUT_X
(1/4) TC_G
(1/4) S_VIDEO_L
(1/4) TBC_Y
(1/4) CO_WIDE_L
C4026 16V10/ESN
R4160 3300/J6
R4172 9100/J6G
IC4015 NJM4556MB-T1
R4163 47/J6
R4168 10K/J6
C4027 25V47/EKA
R4162 8200/J6
R4159 47K/J6
R4161 3300/J6
R4167 1000/J6
Q4027 2SD1306-TR
R4173 10K/J6
R4166 5600/J6
C4039 16V10/EKA
VR4007 5000(B) EVN32CA00B53
R4164 3300/J6
IC4015 NJM4556MB-T1
C4028 25V47/EKA
R4170 47/J6
R4169 8200/J6
R4171 10K/J6
R4165 3300/J6
C4038 16V10/EKA
Q4028 2SD1306-TR
R4174 10K/J6
R4175 10K/J6
Q4029 2SD1306-TR
R4189 9100/J6G
IC4017 NJM4556MB-T1
C4030 25V47/EKA
R4197 10K/J6
R4186 3300/J6
R4190 47/J6
R4188 8200/J6
R4185 47K/J6
R4187 3300/J6
Q4033 2SD1306-TR
R4199 10K/J6
VR4008 5000(B) EVN32CA00B53
R4194 5600/J6
C4043 16V10/EKS
R4195 1000/J6
R4191 3300/J6
IC4017 NJM4556MB-T1
C4031 25V47/EKA
R4196 47/J6
R4193 8200/J6
R4198 10K/J6
R4192 3300/J6
C4029 16V10/ESN
C4042 16V10/EKS
Q4034 2SD1306-TR
R4200 10K/J6
R4201 10K/J6
Q4035 2SD1306-TR
CW
Ref No.4000 Series.

REAR AMP

REF	DS5
C4001	16V10
C4002	16V10
C4003	16V10
C4004	16V10
C4007	16V10
C4008	16V10
C4009	16V10
C4010	16V10
C4014	16V47
C4015	16V47
C4044	16V47
C4045	16V47
C4046	33P
C4047	33P
C4048	33P
C4049	33P
C4050	16V47
C4051	16V47
C6601	10V47
C6602	10V47
C6604	0.1/
C6605	10V10
C6606	0.1/
C6607	0.1/
C6634	*PAT
C6636	*PAT
C6637	*P
C6638	*P
C6655	33P
C6656	33P
C6659	0.01
C6660	6V47
C6661	1000P
C6665	0.01
C6667	27P
C6668	27P
C6670	27P
C6671	27P
C6672	0.1/
C6673	0.1/
C6674	27P

REF	DS5
R4027	4700
R4028	4700
R4029	10K
R4030	18K
R4032	10K
R4033	10K
R4034	10K
R4035	10K
R4036	18K
R4038	10K
R4039	10K
R4040	10K
R4041	680
R4042	47K
R4043	47K
R4044	8200
R4045	8200
R4046	100K
R4047	100K
R4048	3300
R4049	4700
R4050	4700
R4051	4700
R4052	4700
R4053	4700
R4054	4700
R4055	680
R4056	47K
R4057	47K
R4058	8200
R4059	8200
R4060	100K
R4061	100K
R4062	3300
R4063	4700
R4064	4700
R4065	4700
R4066	4700
R4067	4700
R4068	4700
R4069	10K


8
9
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13
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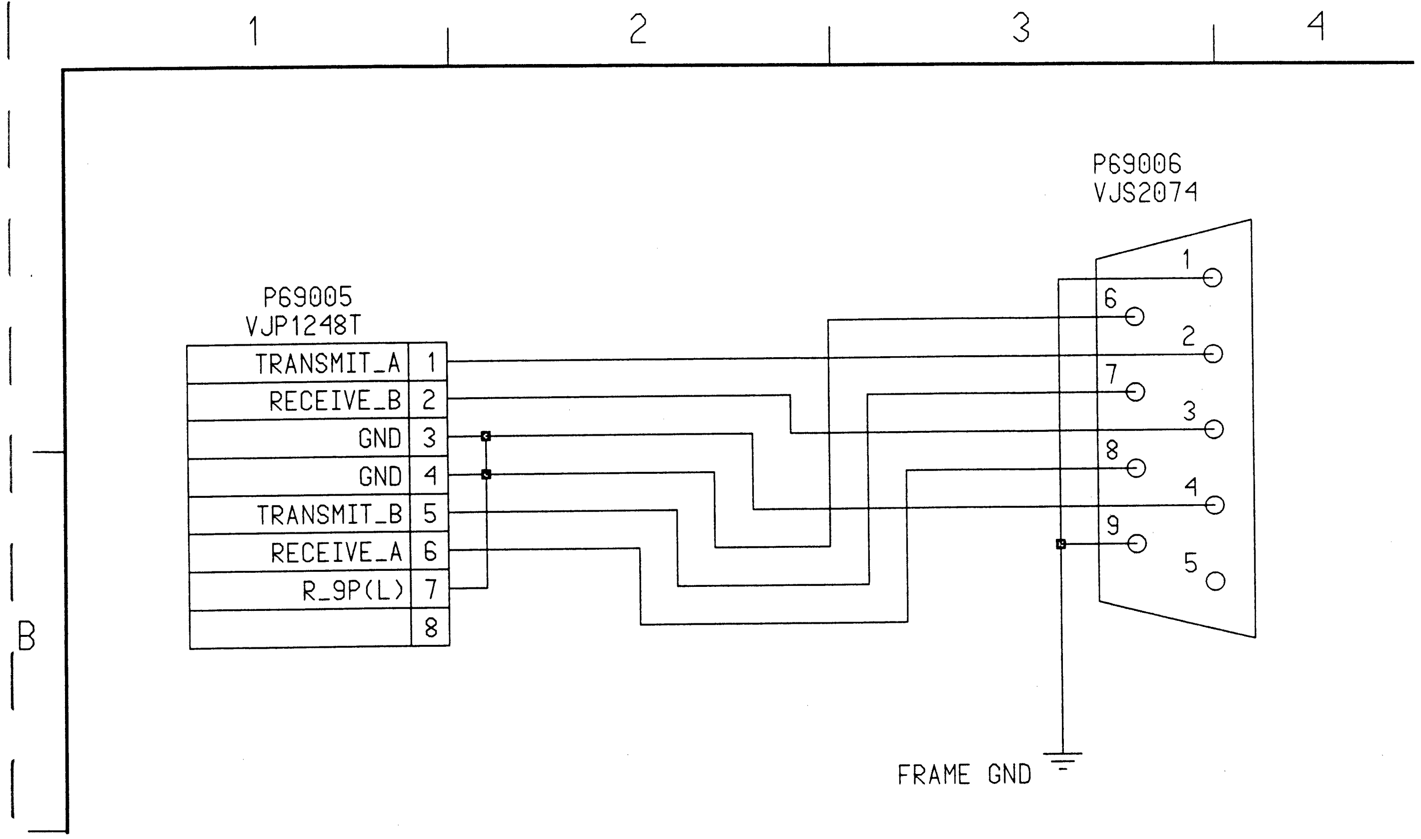
15
D4017
MA153A-TX
R4205
56K/J6
C4034
16V100/EKS
R4204
100K/J6
Q4036
MSB710-RT2
C4035
16V22/EKA
R4138
9100/J6G
R4134
3300/J6
IC4016
NJM4556MB-T1
C4024
25V47/EKA
R4145
10K/J6
Q4021
2SD1306-TR
R4137
47/J6
R4147
10K/J6
Q4015
2SD1306-TR
R4121
10K/J6
R4136
8200/J6
R4133
47K/J6
R4135
3300/J6
VR4006
5000(B)
EVN32CA00B53
R4143
1000/J6
R4142
5600/J6
CW
C4041
16V10/EKA
P4007
VJP3092
1 AA_GND
2 CH1_FM_OUT_2
3 CH1_FM_OUT_3
4 AA_GND
5 CH2_FM_OUT_2
6 CH2_FM_OUT_3
7 AA_GND
8 CH1_LIN_OUT_2
9 CH1_LIN_OUT3
10 AA_GND
11 CH2_LIN_OUT2
12 CH2_LIN_OUT_3
R4139
3300/J6
IC4016
NJM4556MB-T1
C4025
25V47/EKA
Q4022
2SD1306-TR
R4148
10K/J6
R4140
3300/J6
R4144
47/J6
R4141
8200/J6
R4146
10K/J6
R4122
10K/J6
R4123
10K/J6
C4023
16V10/ESN
C4040
16V10/EKA
R4149
10K/J6
Q4023
2SD1306-TR
Q4017
2SD1306-TR
TO REAR AMP(VIDEO)
(1/4) TC_OUT_X
(1/4) TC_G
(1/4) S_VIDEO_L
(1/4) TBC_Y
(1/4) CO_WIDE_L
R4189 9100/J6G
IC4017
NJM4556MB-T1
C4030
25V47/EKA
R4197
10K/J6
Q4033
2SD1306-TR
R4186
3300/J6
R4190
47/J6
R4188
8200/J6
R4199
10K/J6
Q4027
2SD1306-TR
R4173
10K/J6
R4185
47K/J6
R4187
3300/J6
VR4008
5000(B)
EVN32CA00B53
R4194
5600/J6
CW
C4043
16V10/EKS
R4195
1000/J6
R4191
3300/J6
IC4017
NJM4556MB-T1
C4031
25V47/EKA
Q4034
2SD1306-TR
R4200
10K/J6
R4196
47/J6
R4193
8200/J6
R4198
10K/J6
R4174
10K/J6
R4192
3300/J6
R4201
10K/J6
R4175
10K/J6
C4029
16V10/ESN
C4042
16V10/EKS
Q4035
2SD1306-TR
Q4029
2SD1306-TR

Ref No.4000 Series.

REAR AMP COMPARISON CHART 4/4

REF	DS555	DS545
C4001	16V10/EVN	*PAT/EVN
C4002	16V10/EVN	*PAT/EVN
C4003	16V10/EVN	*PAT/EVN
C4004	16V10/EVN	*PAT/EVN
C4007	16V10/EVN	*PAT/EVN
C4008	16V10/EVN	*PAT/EVN
C4009	16V10/EVN	*PAT/EVN
C4010	16V10/EVN	*PAT/EVN
C4014	16V47/EVV	*PAT/EVV
C4015	16V47/EVV	*PAT/EVV
C4044	16V47/EVV	*PAT/EVV
C4045	16V47/EVV	*PAT/EVV
C4046	33P/UN	*PAT/UN
C4047	33P/UN	*PAT/UN
C4048	33P/UN	*PAT/UN
C4049	33P/UN	*PAT/UN
C4050	16V47/EVV	*PAT/EVV
C4051	16V47/EVV	*PAT/EVV
C6601	10V47/EKA	*PAT/EKA
C6602	10V47/EKA	*PAT/EKA
C6604	0. 1/UFN	*PAT/UFN
C6605	10V100/EKA	*PAT/EKA
C6606	0. 1/UFN	*PAT/UFN
C6607	0. 1/UFN	*PAT/UFN
C6634	*PAT/UFN	*PAT/UFN
C6636	*PAT/UFN	*PAT/UFN
C6637	*PAT	*PAT
C6638	*PAT	*PAT
C6655	33P/UN	33P/UN
C6656	33P/UN	33P/UN
C6659	0. 01/UFN	0. 01/UFN
C6660	6V47/EKA	6V47/EKA
C6661	1000P/UBN	1000P/UBN
C6665	0. 01/UFN	*PAT/UFN
C6667	27P/UN	27P/UN
C6668	27P/UN	27P/UN
C6670	27P/UN	27P/UN
C6671	27P/UN	27P/UN
C6672	0. 1/UFN	*PAT/UFN
C6673	0. 1/UFN	*PAT/UFN
C6674	27P/UN	27P/UN
C6675	15P/UN	*PAT/UN
C6676	0. 1/UFN	0. 1/UFN
C6677	0. 1/UFN	0. 1/UFN
C6678	0. 1/UFN	0. 1/UFN
C6679	*PAT/UN	*PAT/UN
D4001	MA151WA-TX	*PAT
D4002	MA151WK-TX	*PAT
D4003	MA151WA-TX	*PAT
D4004	MA151WK-TX	*PAT
D4005	MA151WA-TX	*PAT
D4006	MA151WK-TX	*PAT
D4007	MA151WA-TX	*PAT
D4008	MA151WK-TX	*PAT
D6602	MA151K-TX	*PAT
IC4001	NJM4556MB-T1	*PAT
IC4002	NJM4556MB-T1	*PAT
IC4003	NJM4556MB-T1	*PAT
IC4004	AN6558S	*PAT
IC4005	NJM4556MB-T1	*PAT
IC4006	NJM4556MB-T1	*PAT
IC4007	NJM4556MB-T1	*PAT
IC4008	AN6558S	*PAT
IC6601	NJM2233BMAT1	*PAT
IC6609	*PAT	*PAT
IC6612	TC4S584FT85R	TC4S584FT85R
IC6613	NJM2233BMAT1	*PAT
IC6614	MC74HC4053FR	MC74HC4053FR
IC6615	TC7S08FTE85R	TC7S08FTE85R
IC6616	MC74HC4053FR	MC74HC4053FR
L6608	33U/QEK	33U/QEK
L6609	56U/QEK	56U/QEK
L6610	56U/QEK	56U/QEK
P4008	VJP3092	*PAT
P6604	VJS1468	*PAT
Q4001	MSD601-RT2	*PAT
Q4002	MSD601-RT2	*PAT
Q4003	MSD601-RT2	*PAT
Q4004	MSD601-RT2	*PAT
Q4005	MSD601-RT2	*PAT
Q4006	MSD601-RT2	*PAT
Q4007	MSD601-RT2	*PAT
Q4008	MSD601-RT2	*PAT
Q4037	2SB710-RSTX	*PAT
Q4038	2SD602-RSTX	*PAT
Q6602	MSD601-RT2	*PAT
Q6603	MSD601-RT2	*PAT
Q6613	MSB709-RT2	*PAT
Q6614	MSB709-RT2	MSB709-RT2
Q6615	MSB709-RT2	MSB709-RT2
Q6616	MSB709-RT2	MSB709-RT2
Q6617	MSD601-RT2	MSD601-RT2
QR6603	MRN1404TE85R	*PAT
QR6607	MRN1404TE85R	MRN1404TE85R
QR6608	MRN1404TE85R	MRN1404TE85R
QR6609	MRN1404TE85R	MRN1404TE85R
QR6610	MRN2404TE85R	MRN2404TE85R
QR6611	MRN2404TE85R	MRN2404TE85R
R4001	680/J6	*PAT/J6
R4002	47K/J6	*PAT/J6
R4003	47K/J6	*PAT/J6
R4004	8200/J6	*PAT/J6
R4005	8200/J6	*PAT/J6
R4006	100K/J6	*PAT/J6
R4007	100K/J6	*PAT/J6
R4008	3300/RE	*PAT/J6
R4009	4700/RE	*PAT/J6
R4010	4700/RE	*PAT/J6
R4011	4700/RE	*PAT/J6
R4012	4700/RE	*PAT/J6
R4013	4700/RE	*PAT/J6
R4014	4700/RE	*PAT/J6
R4015	47K/J6	*PAT/J6
R4016	680/J6	*PAT/J6
R4017	47K/J6	*PAT/J6
R4018	8200/J6	*PAT/J6
R4019	8200/J6	*PAT/J6
R4020	100K/J6	*PAT/J6
R4021	100K/J6	*PAT/J6
R4022	3300/RE	*PAT/J6
R4023	4700/RE	*PAT/J6
R4024	4700/RE	*PAT/J6
R4025	4700/RE	*PAT/J6
R4026	4700/RE	*PAT/J6
R4027	4700/RE	*PAT/J6
R4028	4700/RE	*PAT/J6
R4029	10K/J6	*PAT/J6
R4030	18K/J6	*PAT/J6
R4032	10K/J6	*PAT/J6
R4033	10K/J6	*PAT/J6
R4034	10K/J6	*PAT/J6
R4035	10K/J6	*PAT/J6
R4036	18K/J6	*PAT/J6
R4038	10K/J6	*PAT/J6
R4039	10K/J6	*PAT/J6
R4040	10K/J6	*PAT/J6
R4041	680/J6	*PAT/J6
R4042	47K/J6	*PAT/J6
R4043	47K/J6	*PAT/J6
R4044	8200/J6	*PAT/J6
R4045	8200/J6	*PAT/J6
R4046	100K/J6	*PAT/J6
R4047	100K/J6	*PAT/J6
R4048	3300/RE	*PAT/J6
R4049	4700/RE	*PAT/J6
R4050	4700/RE	*PAT/J6
R4051	4700/RE	*PAT/J6
R4052	4700/RE	*PAT/J6
R4053	4700/RE	*PAT/J6
R4054	4700/RE	*PAT/J6
R4055	680/J6	*PAT/J6
R4056	47K/J6	*PAT/J6
R4057	47K/J6	*PAT/J6
R4058	8200/J6	*PAT/J6
R4059	8200/J6	*PAT/J6
R4060	100K/J6	*PAT/J6
R4061	100K/J6	*PAT/J6
R4062	3300/RE	*PAT/J6
R4063	4700/RE	*PAT/J6
R4064	4700/RE	*PAT/J6
R4065	4700/RE	*PAT/J6
R4066	4700/RE	*PAT/J6
R4067	4700/RE	*PAT/J6
R4068	4700/RE	*PAT/J6
R4069	10K/J6	*PAT/J6
R4070	18K/J6	*PAT/J6
R4072	10K/J6	*PAT/J6
R4073	10K/J6	*PAT/J6
R4074	10K/J6	*PAT/J6
R4075	10K/J6	*PAT/J6
R4076	10K/J6	*PAT/J6
R4077	18K/J6	*PAT/J6
R4079	10K/J6	*PAT/J6
R4080	10K/J6	*PAT/J6
R4081	10K/J6	*PAT/J6
R4082	10K/J6	*PAT/J6
R4094	10K/J6	*PAT/J6
R4095	10K/J6	*PAT/J6
R4206	150/J6	*PAT/J6
R4207	150/J6	*PAT/J6
R4208	5600/J6	*PAT/J6
R4209	5600/J6	*PAT/J6
R4210	5600/J6	*PAT/J6
R4211	5600/J6	*PAT/J6
R4212	*PAT/J6	*PAT/J6
R4213	*PAT/J6	*PAT/J6
R4214	*PAT/J6	*PAT/J6
R4215	*PAT/J6	*PAT/J6
R6601	3300/J6	*PAT/J6
R6602	47/J6	*PAT/J6
R6604	75/G6	*PAT/J6
R6607	47/J6	*PAT/J6
R6608	1000/J6	*PAT/J6
R6609	4700/J6	*PAT/J6
R6610	2700/J6	*PAT/J6
R6625	*PAT/J6	*PAT/J6
R6626	*PAT/J6	*PAT/J6
R6634	*PAT/RE	*PAT/RE
R6635	*PAT/RE	*PAT/RE
R6636	*PAT/RE	*PAT/RE
R6637	*PAT/RE	*PAT/RE
R6647	470/RE	470/RE
R6648	470/RE	470/RE
R6651	*PAT/J6	*PAT/J6
R6666	3300/J6	3300/J6
R6667	22K/J6	22K/J6
R6668	10K/J6	*PAT/J6
R6669	120K/J6	*PAT/J6
R6670	1000/J6	*PAT/J6
R6671	220/J6	*PAT/J6
R6675	3300/J6	*PAT/J6
R6676	*PAT/J6	*PAT/J6
R6679	10K/J6	*PAT/J6
R6680	10K/J6	10K/J6
R6681	1500/J6	1500/J6
R6682	*PAT/J6	*PAT/J6
R6683	100K/J6	100K/J6
R6684	10K/J6	10K/J6
R6685	1500/J6	1500/J6
R6686	33/J6	33/J6
R6687	33/J6	33/J6
R6688	*PAT/J6	*PAT/J6
R6689	1500/J6	1500/J6
R6690	1000/J6	1000/J6
R6691	1500/J6	1500/J6
R6692	*PAT/J6	*PAT/J6
R6693	*PAT/J6	*PAT/J6
R6694	100K/J6	100K/J6
R6695	330/J6	330/J6
R6696	*PAT/J6	*PAT/J6
R6697	*PAT/J6	*PAT/J6
R6698	0/J6	0/J6
SW4004	VSS0208	*PAT
SW4005	VSS0208	*PAT
X6601	VSX0197	VSX0197

9 PIN CONNECT SCHEMATIC DIAGRAM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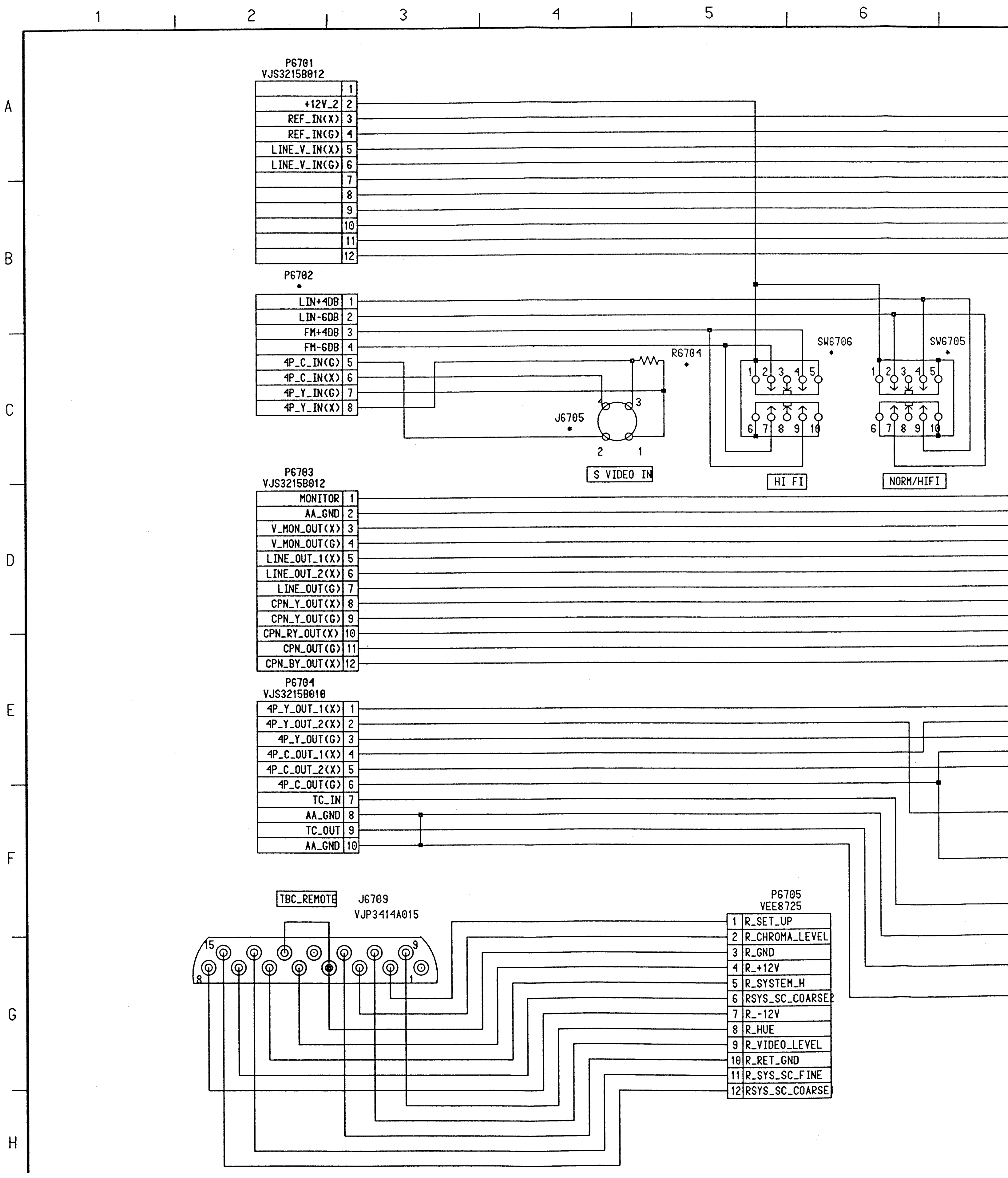
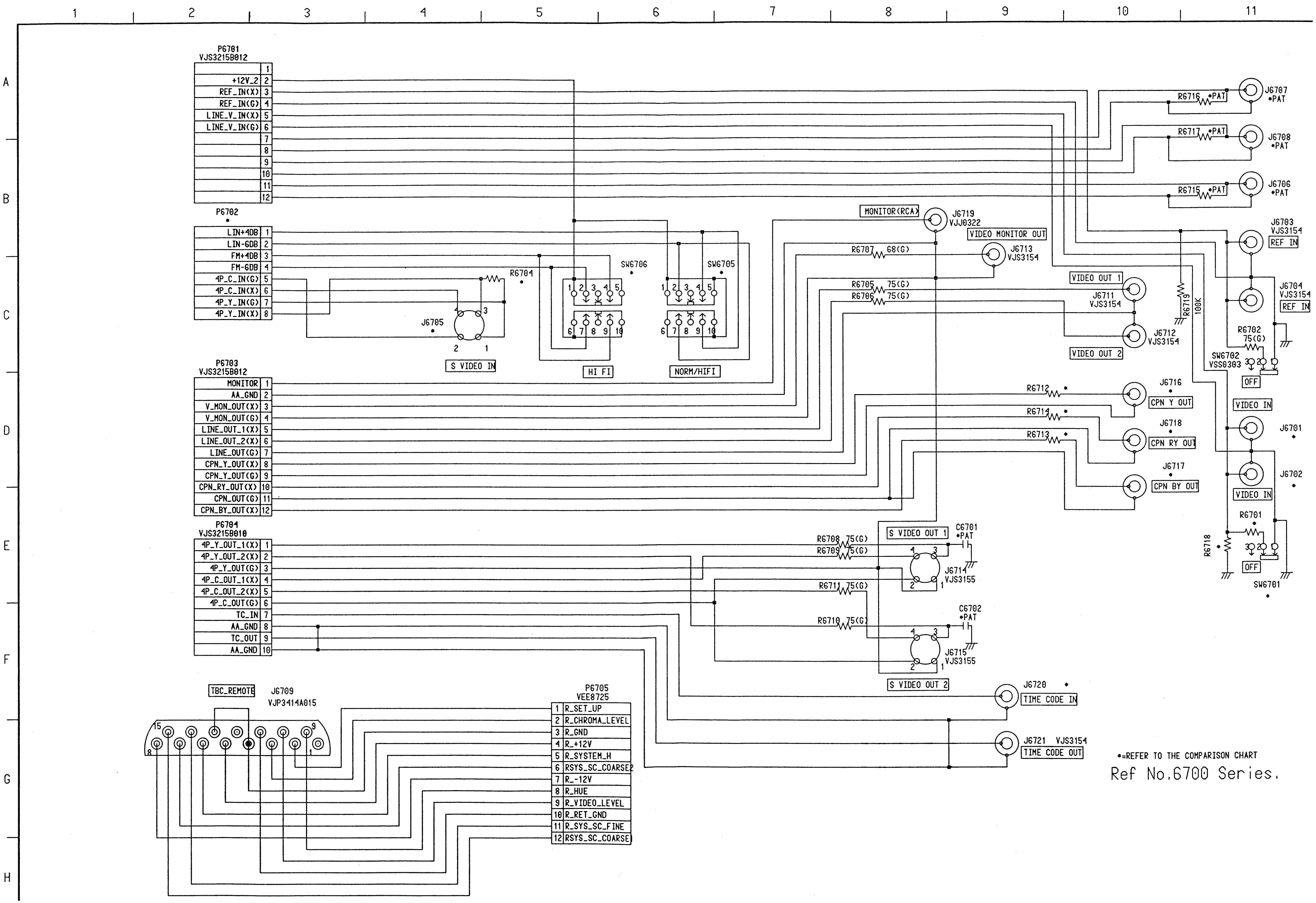
3
4
B
P69005
VJP1248T
TRANSMIT_A 1
RECEIVE_B 2
GND 3
GND 4
TRANSMIT_B 5
RECEIVE_A 6
R_9P(L) 7
8
P69006
VJS2074
1
6
2
7
3
8
4
9
5
FRAME GND

REAR JACK SCHEMATIC DIAGRAM


1
2
3
4
5
6
A
B
C
D
E
F
G
H
P6701
VJS3215B012
1
+12V_2 2
REF_IN(X) 3
REF_IN(G) 4
LINE_V_IN(X) 5
LINE_V_IN(G) 6
7
8
9
10
11
12
P6702
LIN+4DB 1
LIN-6DB 2
FM+4DB 3
FM-6DB 4
4P_C_IN(G) 5
4P_C_IN(X) 6
4P_Y_IN(G) 7
4P_Y_IN(X) 8
R6704
J6705
S VIDEO IN
SW6706
HI FI
SW6705
NORM/HIFI
P6703
VJS3215B012
MONITOR 1
AA_GND 2
V_MON_OUT(X) 3
V_MON_OUT(G) 4
LINE_OUT_1(X) 5
LINE_OUT_2(X) 6
LINE_OUT(G) 7
CPN_Y_OUT(X) 8
CPN_Y_OUT(G) 9
CPN_RY_OUT(X) 10
CPN_OUT(G) 11
CPN_BY_OUT(X) 12
P6704
VJS3215B010
4P_Y_OUT_1(X) 1
4P_Y_OUT_2(X) 2
4P_Y_OUT(G) 3
4P_C_OUT_1(X) 4
4P_C_OUT_2(X) 5
4P_C_OUT(G) 6
TC_IN 7
AA_GND 8
TC_OUT 9
AA_GND 10
TBC_REMOTE
J6709
VJP3414A015
15
9
8
1
P6705
VEE8725
1 R_SET_UP
2 R_CHROMA_LEVEL
3 R_GND
4 R_+12V
5 R_SYSTEM_H
6 RSYS_SC_COARSE2
7 R_-12V
8 R_HUE
9 R_VIDEO_LEVEL
10 R_RET_GND
11 R_SYS_SC_FINE
12 RSYS_SC_COARSE

REAR JACK SCHEMATIC DIAGRAM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A
B
C
D
E
F
G
H
P6701
VJS3215B012
1
+12V_2 2
REF_IN(X) 3
REF_IN(G) 4
LINE_V_IN(X) 5
LINE_V_IN(G) 6
7
8
9
10
11
12
P6702
LIN+4DB 1
LIN-6DB 2
FM+4DB 3
FM-6DB 4
4P_C_IN(G) 5
4P_C_IN(X) 6
4P_Y_IN(G) 7
4P_Y_IN(X) 8
R6704
J6705
S VIDEO IN
SW6706
HI FI
SW6705
NORM/HIFI
P6703
VJS3215B012
MONITOR 1
AA_GND 2
V_MON_OUT(X) 3
V_MON_OUT(G) 4
LINE_OUT_1(X) 5
LINE_OUT_2(X) 6
LINE_OUT(G) 7
CPN_Y_OUT(X) 8
CPN_Y_OUT(G) 9
CPN_RY_OUT(X) 10
CPN_OUT(G) 11
CPN_BY_OUT(X) 12
P6704
VJS3215B010
4P_Y_OUT_1(X) 1
4P_Y_OUT_2(X) 2
4P_Y_OUT(G) 3
4P_C_OUT_1(X) 4
4P_C_OUT_2(X) 5
4P_C_OUT(G) 6
TC_IN 7
AA_GND 8
TC_OUT 9
AA_GND 10
TBC_REMOTE
J6709
VJP3414A015
15
9
8
1
P6705
VEE8725
1 R_SET_UP
2 R_CHROMA_LEVEL
3 R_GND
4 R_+12V
5 R_SYSTEM_H
6 RSYS_SC_COARSE2
7 R_-12V
8 R_HUE
9 R_VIDEO_LEVEL
10 R_RET_GND
11 R_SYS_SC_FINE
12 RSYS_SC_COARSE1
MONITOR(RCA)
J6719
VJJ0322
VIDEO MONITOR OUT
J6713
VJS3154
R6707 68(G)
R6705 75(G)
R6706 75(G)
VIDEO OUT 1
J6711
VJS3154
J6712
VJS3154
VIDEO OUT 2
R6712 •
J6716 •
CPN Y OUT
R6714 •
J6718 •
CPN RY OUT
R6713 •
J6717 •
CPN BY OUT
S VIDEO OUT 1
C6701
•PAT
R6708 75(G)
R6709 75(G)
J6714
VJS3155
R6711 75(G)
C6702
•PAT
R6710 75(G)
J6715
VJS3155
S VIDEO OUT 2
J6720 •
TIME CODE IN
J6721 VJS3154
TIME CODE OUT
R6716 •PAT
J6707
•PAT
R6717 •PAT
J6708
•PAT
R6715 •PAT
J6706
•PAT
J6703
VJS3154
REF IN
R6719
100K
J6704
VJS3154
REF IN
R6702
75(G)
SW6702
VSS0303
OFF
VIDEO IN
J6701 •
J6702 •
VIDEO IN
R6701
R6718
OFF
SW6701 •

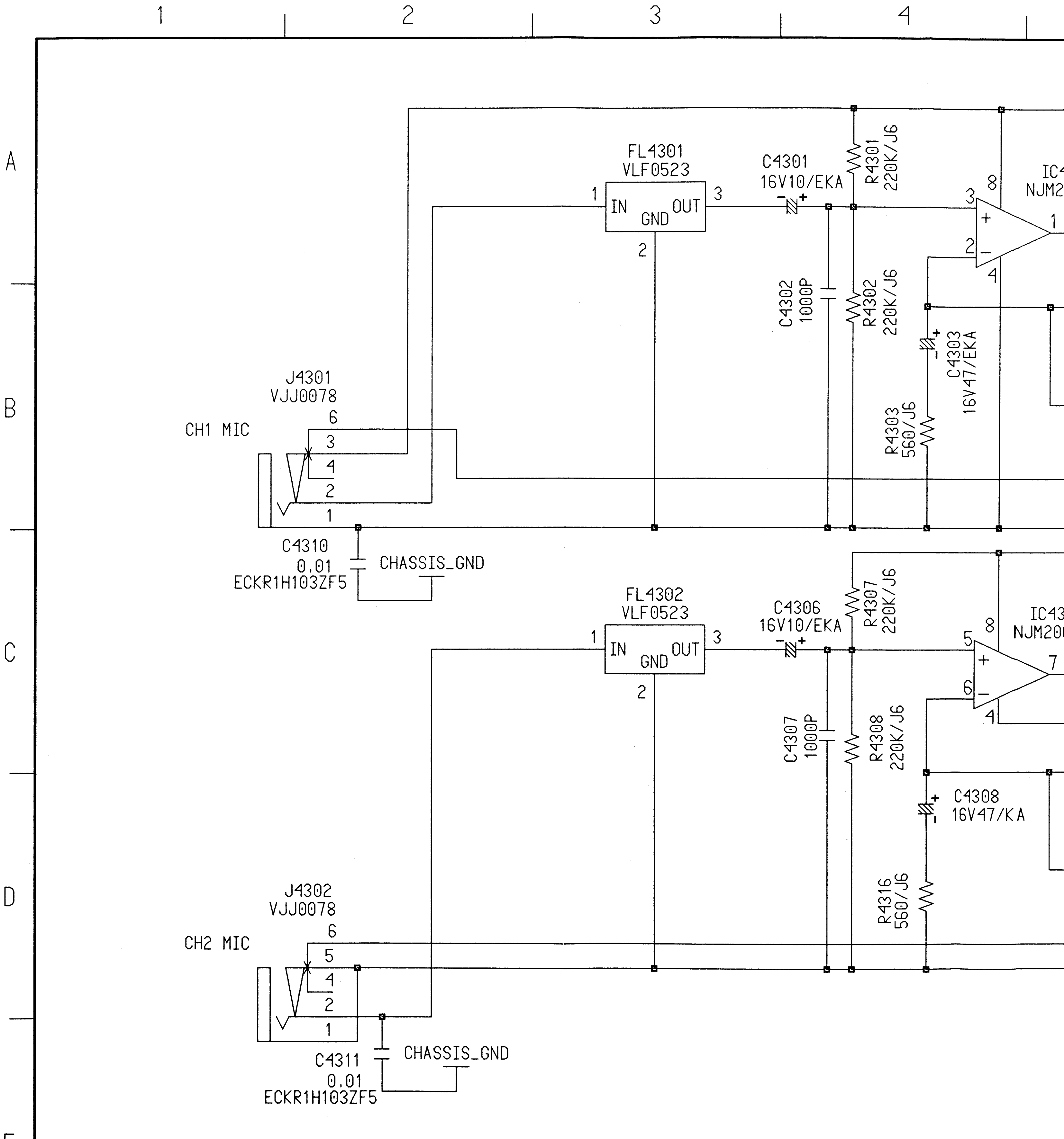
•=REFER TO THE COMPARISON CHART

Ref No.6700 Series.

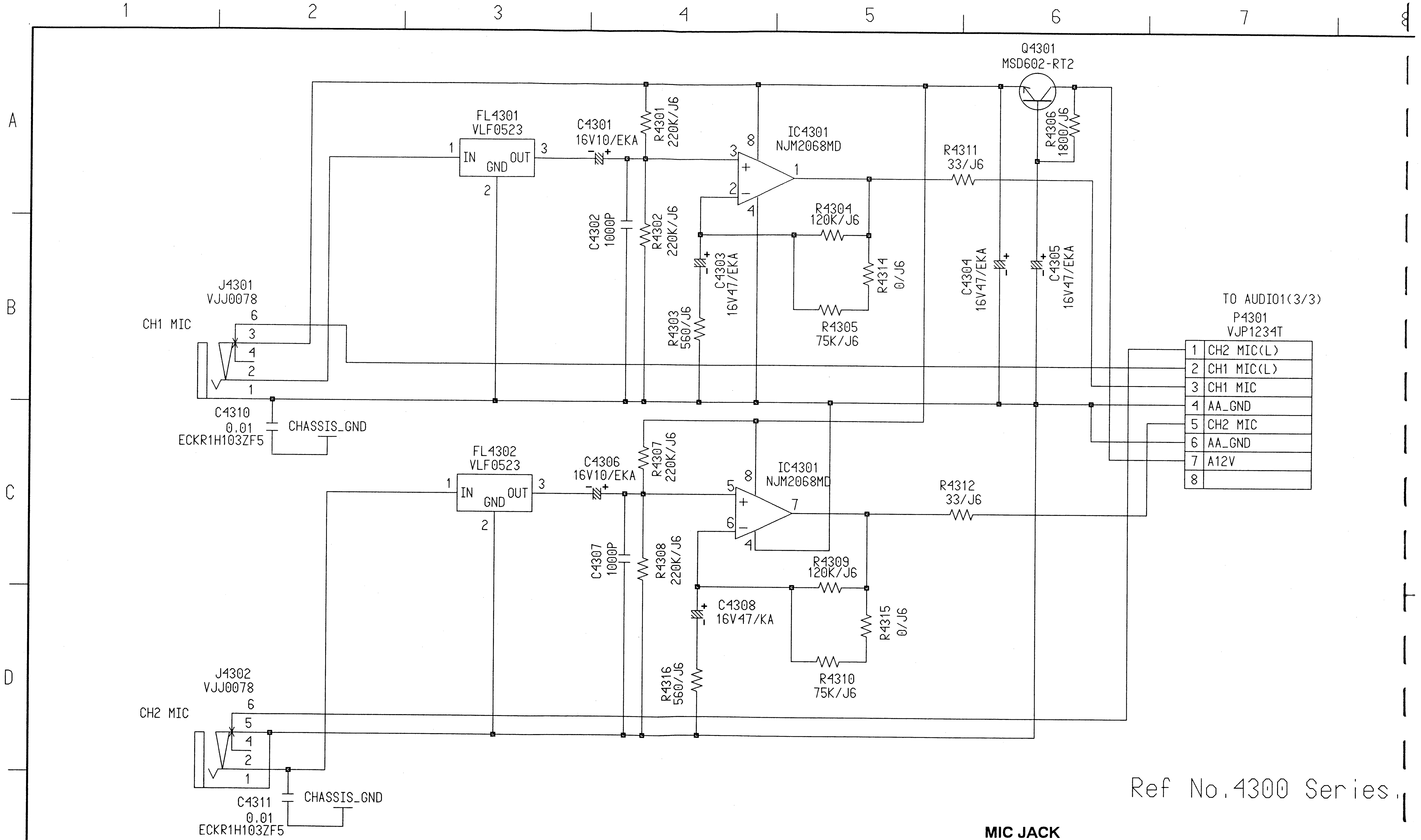
EAR JACK COMPARISON CHART

REF	DS555	DS545
C6701	*PAT	*PAT
C6702	*PAT	*PAT
J6701	VJS3154	*PAT
J6702	VJS3154	*PAT
J6705	VJS3155	*PAT
J6706	*PAT	*PAT
J6707	*PAT	*PAT
J6708	*PAT	*PAT
J6716	*PAT	*PAT
J6717	*PAT	*PAT
J6718	*PAT	*PAT
J6720	VJS3154	*PAT
P6702	VJS3215B008	*PAT
R6701	75(G)	*PAT
R6704	75(G)	*PAT
R6712	*PAT	*PAT
R6713	*PAT	*PAT
R6714	*PAT	*PAT
R6715	*PAT	*PAT
R6716	*PAT	*PAT
R6717	*PAT	*PAT
R6718	100K/DS	*PAT
SW6701	VSS0303	*PAT
SW6705	VSS0390	*PAT
SW6706	VSS0390	*PAT

MIC JACK SCHEMATIC DIAGRAM


1
2
3
4
A
B
C
D
E
FL4301
VLF0523
IN
GND
OUT
C4301
16V10/EKA
R4301
220K/J6
IC4
NJM2
C4302
1000P
R4302
220K/J6
C4303
16V47/EKA
R4303
560/J6
J4301
VJJ0078
CH1 MIC
C4310
0.01
ECKR1H103ZF5
CHASSIS_GND
FL4302
VLF0523
C4306
16V10/EKA
R4307
220K/J6
IC43
NJM20
C4307
1000P
R4308
220K/J6
C4308
16V47/KA
R4316
560/J6
J4302
VJJ0078
CH2 MIC
C4311
0.01
ECKR1H103ZF5
CHASSIS_GND

MIC JACK SCHEMATIC DIAGRAM

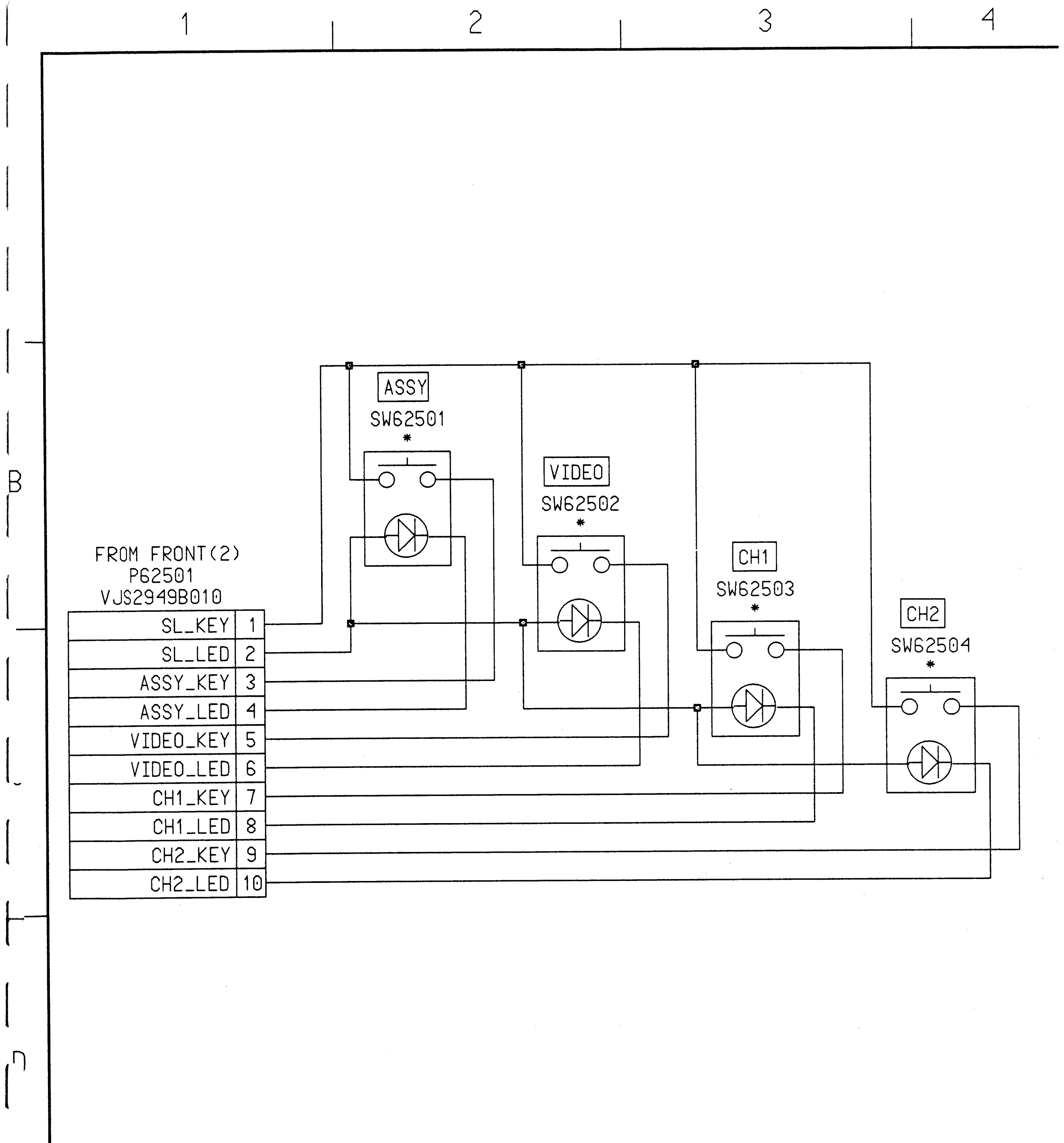

1
2
3
4
5
6
7
8
A
B
C
D
E
Q4301
MSD602-RT2
FL4301
VLF0523
IN
GND
OUT
C4301
16V10/EKA
R4301
220K/J6
IC4301
NJM2068MD
R4311
33/J6
R4306
1800/J6
C4302
1000P
R4302
220K/J6
R4304
120K/J6
C4303
16V47/EKA
R4314
0/J6
C4304
16V47/EKA
C4305
16V47/EKA
R4305
75K/J6
R4303
560/J6
J4301
VJJ0078
CH1 MIC
TO AUDIO1(3/3)
P4301
VJP1234T
1 CH2 MIC(L)
2 CH1 MIC(L)
3 CH1 MIC
4 AA_GND
5 CH2 MIC
6 AA_GND
7 A12V
8
C4310
0.01
ECKR1H103ZF5
CHASSIS_GND
FL4302
VLF0523
C4306
16V10/EKA
R4307
220K/J6
IC4301
NJM2068MD
R4312
33/J6
C4307
1000P
R4308
220K/J6
R4309
120K/J6
C4308
16V47/KA
R4315
0/J6
R4310
75K/J6
R4316
560/J6
J4302
VJJ0078
CH2 MIC
C4311
0.01
ECKR1H103ZF5
CHASSIS_GND

Ref No.4300 Series

MIC JACK

REF. NO. / MODE	IC4301								Q4301		
	1	2	3	4	5	6	7	8	E	C	B
STOP	5.5	5.5	5.5	0	5.6	5.7	5.7	10.9	10.9	11.6	11.6
REC	5.5	5.5	5.5	0	5.6	5.7	5.7	10.9	10.9	11.6	11.6

FRONT LED SCHEMATIC DIAGRAM


1
2
3
4
B
C
D
ASSY
SW62501
*
VIDEO
SW62502
*
CH1
SW62503
*
CH2
SW62504
*
FROM FRONT(2)
P62501
VJS2949B010
SL_KEY 1
SL_LED 2
ASSY_KEY 3
ASSY_LED 4
VIDEO_KEY 5
VIDEO_LED 6
CH1_KEY 7
CH1_LED 8
CH2_KEY 9
CH2_LED 10

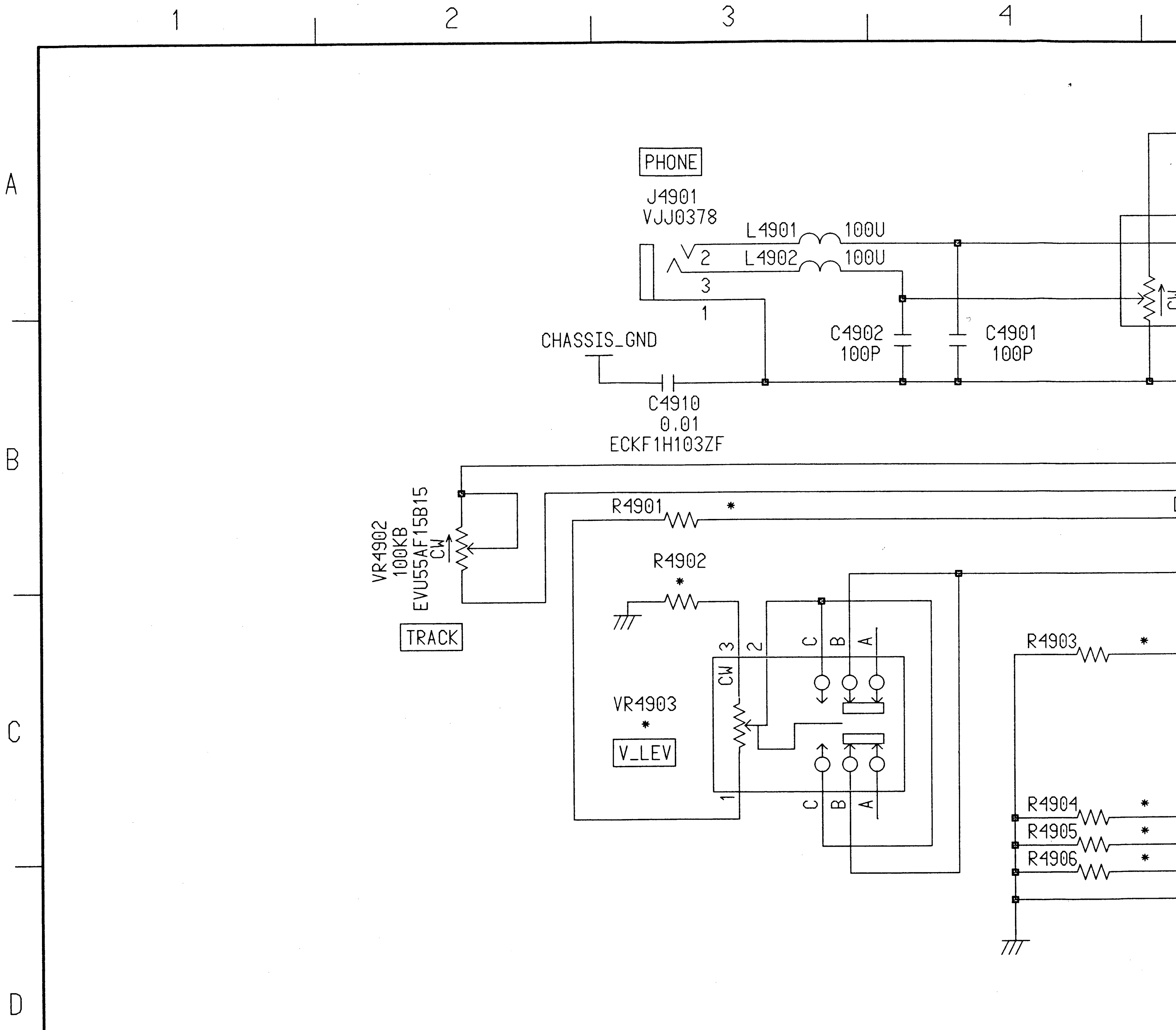
*=REFER TO THE COMPARISON CHART

Ref No.62500 Series.

FRONT LED COMPARISON CHART

REF	DS555	DS545
SW62501	VSP0151-2	VSP0829
SW62502	VSP0780	VSP0829
SW62503	VSP0780	VSP0829
SW62504	VSP0780	VSP0829

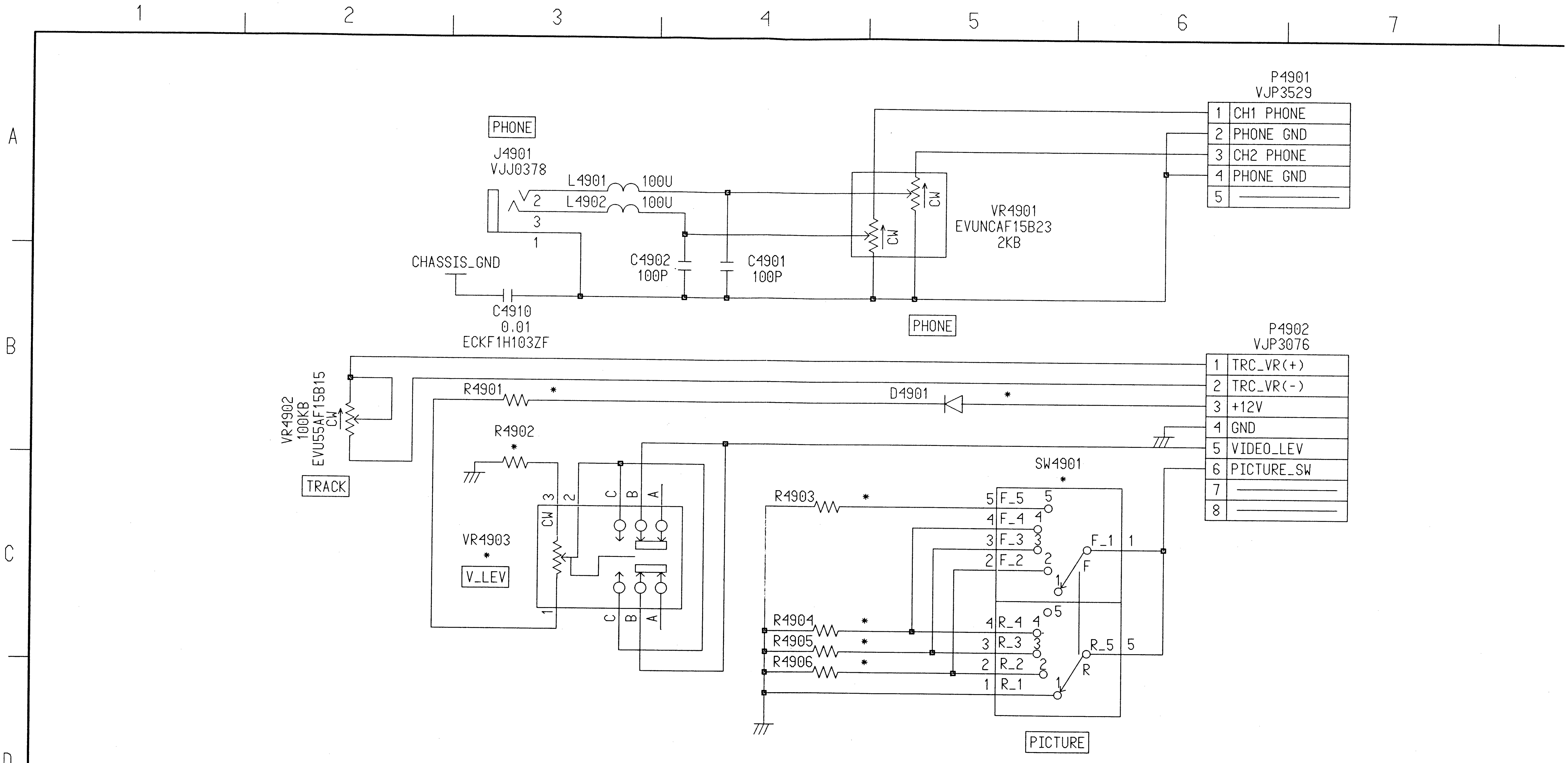
FRONT JACK SCHEMATIC DIAGRAM


1
2
3
4
A
B
C
D
PHONE
J4901
VJJ0378
L4901
100U
L4902
100U
2
3
1
CHASSIS_GND
C4902
100P
C4901
100P
C4910
0.01
ECKF1H103ZF
VR4902
100KB
EVU55AF15B15
CW
TRACK
R4901
*
R4902
*
VR4903
*
V_LEV
CW 3 2 1
C B A
C B A
R4903
*
R4904
*
R4905
*
R4906
*

FRONT JACK COMPARISON CHART (E19: Page CBA-3)

REF	DS555	DS545
D4901	MA165TA5VT	*PAT
R4901	33K/DS	*PAT/DS
R4902	10K/DS	*PAT/DS
R4903	39K/DS	39K/DS
R4904	15K/DS	15K/DS
R4905	6800/DS	6800/DS
R4906	2200/DS	2200/DS
SW4901	VSR0103	VSR0103
VR4903	EVU023015B14	*PAT

FRONT JACK SCHEMATIC DIAGRAM


1
2
3
4
5
6
7
A
B
C
D
PHONE
J4901
VJJ0378
L4901
100U
L4902
100U
2
3
1
CHASSIS_GND
C4902
100P
C4901
100P
C4910
0.01
ECKF1H103ZF
CW
CW
VR4901
EVUNCAF15B23
2KB
PHONE
P4901
VJP3529
1 CH1 PHONE
2 PHONE GND
3 CH2 PHONE
4 PHONE GND
5
P4902
VJP3076
1 TRC_VR(+)
2 TRC_VR(-)
3 +12V
4 GND
5 VIDEO_LEV
6 PICTURE_SW
7
8
VR4902
100KB
EVU55AF15B15
CW
TRACK
R4901
*
D4901
*
R4902
*
VR4903
*
V_LEV
CW
3
2
1
C
B
A
C
B
A
R4903
*
SW4901
*
5 F_5 5
4 F_4 4
3 F_3 3
2 F_2 2
1
F_1 1
F
R4904
*
R4905
*
R4906
*
4 R_4 4
3 R_3 3
2 R_2 2
1 R_1
1
5
R_5 5
R
PICTURE

FRONT JACK COMPARISON CHART (E19: Page CBA-3)

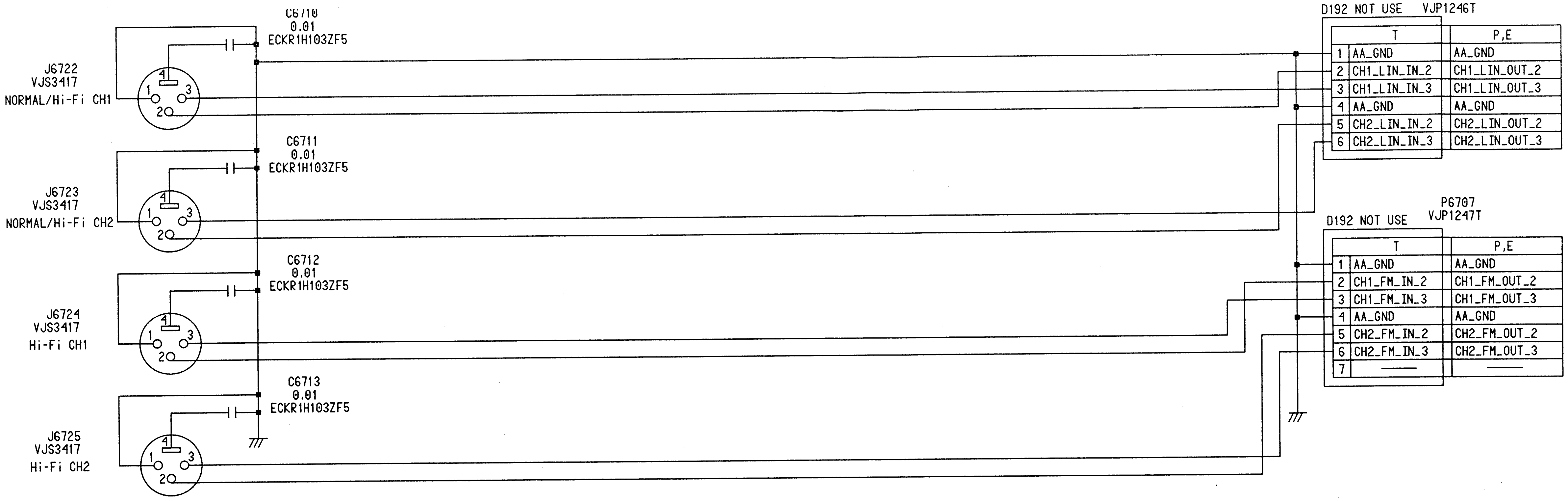
REF	DS555	DS545
D4901	MA165TA5VT	*PAT
R4901	33K/DS	*PAT/DS
R4902	10K/DS	*PAT/DS
R4903	39K/DS	39K/DS
R4904	15K/DS	15K/DS
R4905	6800/DS	6800/DS
R4906	2200/DS	2200/DS
SW4901	VSR0103	VSR0103
VR4903	EVU023015B14	*PAT

*=REFER TO THE COMPARISON CHART

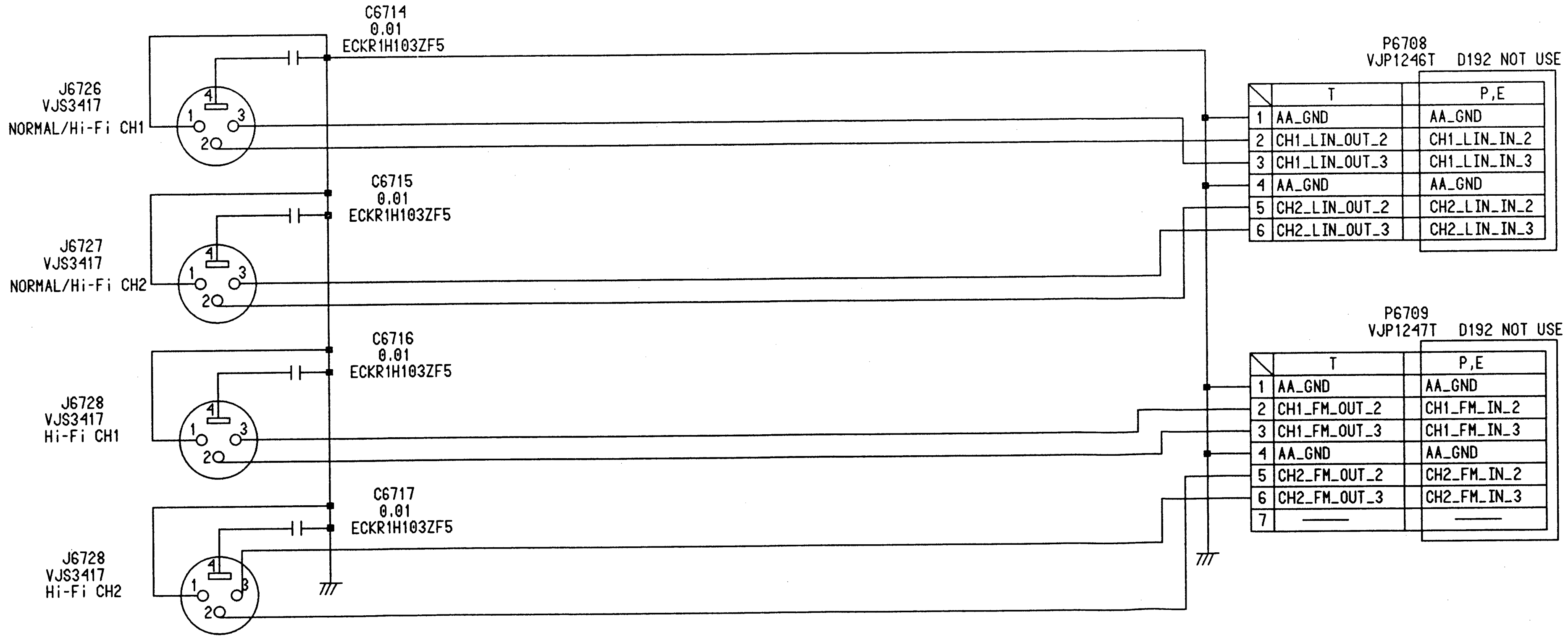
Ref No.4900 Series.

XLR M SCHEMATIC DIAGRAM AND XLR F SCHEMATIC DIAGRAM

XLR M SCHEMATIC DIAGRAM (AG-DS555 ONLY)

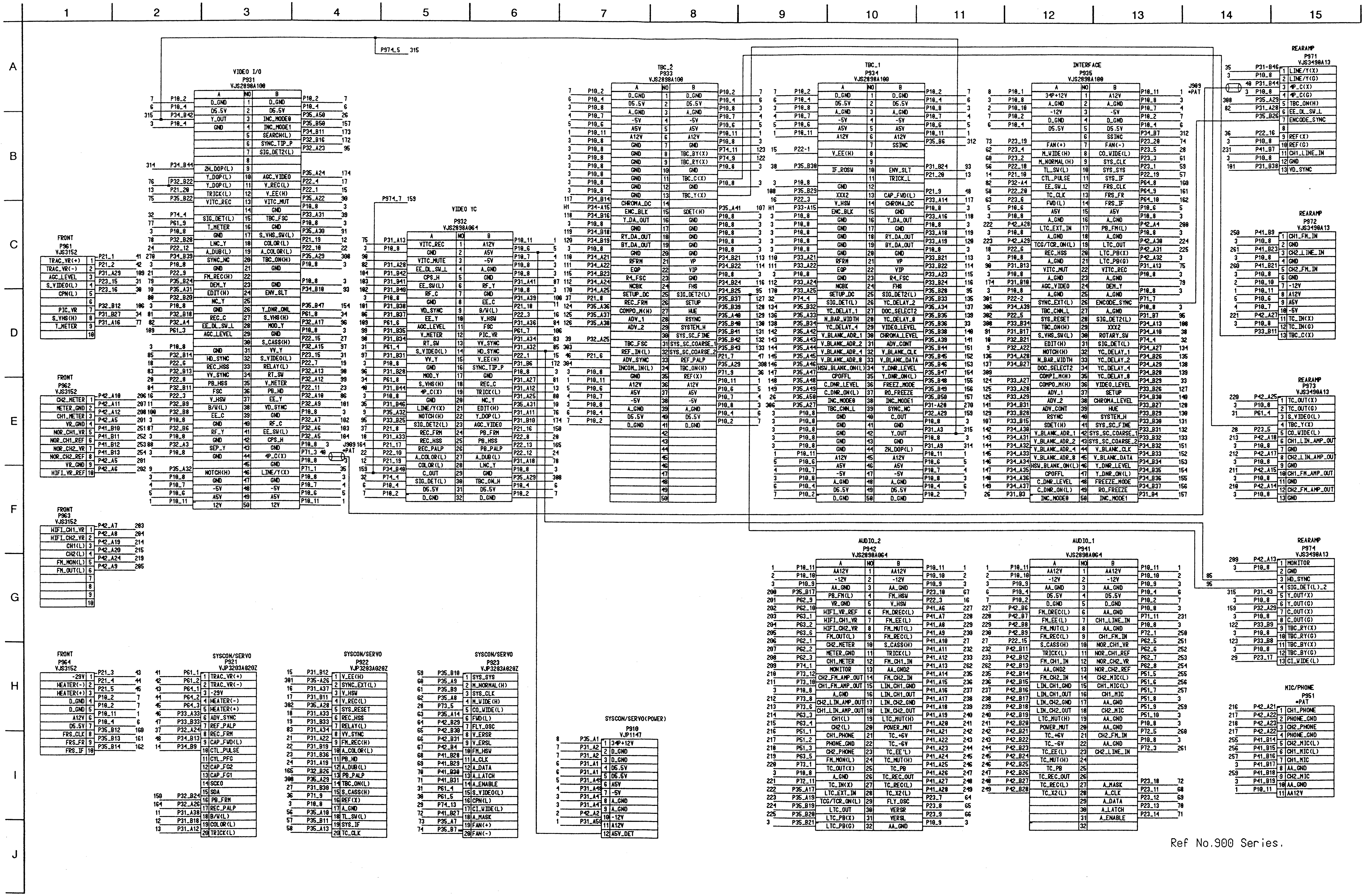

C6710
0.01
ECKR1H103ZF5
J6722
VJS3417
NORMAL/Hi-Fi CH1
C6711
0.01
ECKR1H103ZF5
J6723
VJS3417
NORMAL/Hi-Fi CH2
C6712
0.01
ECKR1H103ZF5
J6724
VJS3417
Hi-Fi CH1
C6713
0.01
ECKR1H103ZF5
J6725
VJS3417
Hi-Fi CH2
P6706
D192 NOT USE VJP1246T
T
P,E
1 AA_GND AA_GND
2 CH1_LIN_IN_2 CH1_LIN_OUT_2
3 CH1_LIN_IN_3 CH1_LIN_OUT_3
4 AA_GND AA_GND
5 CH2_LIN_IN_2 CH2_LIN_OUT_2
6 CH2_LIN_IN_3 CH2_LIN_OUT_3
P6707
D192 NOT USE VJP1247T
T
P,E
1 AA_GND AA_GND
2 CH1_FM_IN_2 CH1_FM_OUT_2
3 CH1_FM_IN_3 CH1_FM_OUT_3
4 AA_GND AA_GND
5 CH2_FM_IN_2 CH2_FM_OUT_2
6 CH2_FM_IN_3 CH2_FM_OUT_3
7 —— ——

XLR F SCHEMATIC DIAGRAM


C6714
0.01
ECKR1H103ZF5
J6726
VJS3417
NORMAL/Hi-Fi CH1
C6715
0.01
ECKR1H103ZF5
J6727
VJS3417
NORMAL/Hi-Fi CH2
C6716
0.01
ECKR1H103ZF5
J6728
VJS3417
Hi-Fi CH1
C6717
0.01
ECKR1H103ZF5
J6728
VJS3417
Hi-Fi CH2
P6708
VJP1246T D192 NOT USE
T
P,E
1 AA_GND AA_GND
2 CH1_LIN_OUT_2 CH1_LIN_IN_2
3 CH1_LIN_OUT_3 CH1_LIN_IN_3
4 AA_GND AA_GND
5 CH2_LIN_OUT_2 CH2_LIN_IN_2
6 CH2_LIN_OUT_3 CH2_LIN_IN_3
P6709
VJP1247T D192 NOT USE
T
P,E
1 AA_GND AA_GND
2 CH1_FM_OUT_2 CH1_FM_IN_2
3 CH1_FM_OUT_3 CH1_FM_IN_3
4 AA_GND AA_GND
5 CH2_FM_OUT_2 CH2_FM_IN_2
6 CH2_FM_OUT_3 CH2_FM_IN_3
7 —— ——

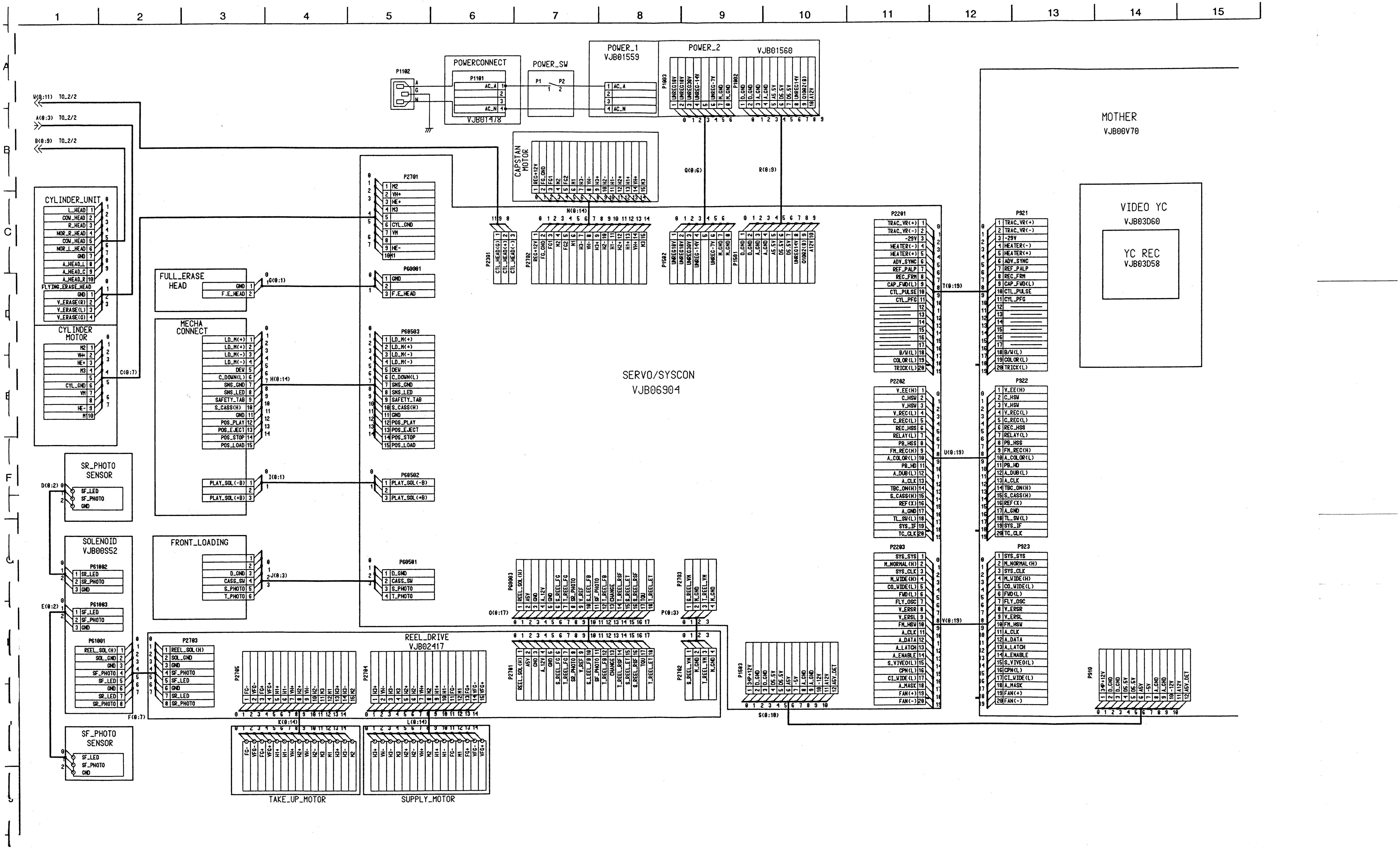
Ref No.6700 Series.

MOTHER SCHEMATIC DIAGRAM


VIDEO I/O
P931
VJS2898A100
VIDEO YC
P932
VJS2898A064
TBC_2
P933
VJS2898A100
TBC_1
P934
VJS2898A100
INTERFACE
P935
VJS2898A100
REARAMP
P971
VJS3490A13
REARAMP
P972
VJS3490A13
REARAMP
P973
VJS3490A13
REARAMP
P974
VJS3490A13
MIC/PHONE
P951
*PAT
FRONT
P961
VJS3152
FRONT
P962
VJS3152
FRONT
P963
VJS3152
FRONT
P964
VJS3152
SYSCON/SERVO
P921
VJP3203A020Z
SYSCON/SERVO
P922
VJP3203A020Z
SYSCON/SERVO
P923
VJP3203A020Z
SYSCON/SERVO(POWER)
P910
VJP1147
AUDIO_2
P942
VJS2898A064
AUDIO_1
P941
VJS2898A064
J909
*PAT
P974_5 315
P974_7 159

Ref No.900 Series.

NTERCONNECTION (1) SCHEMATIC DIAGRAM for AG-DS555


1
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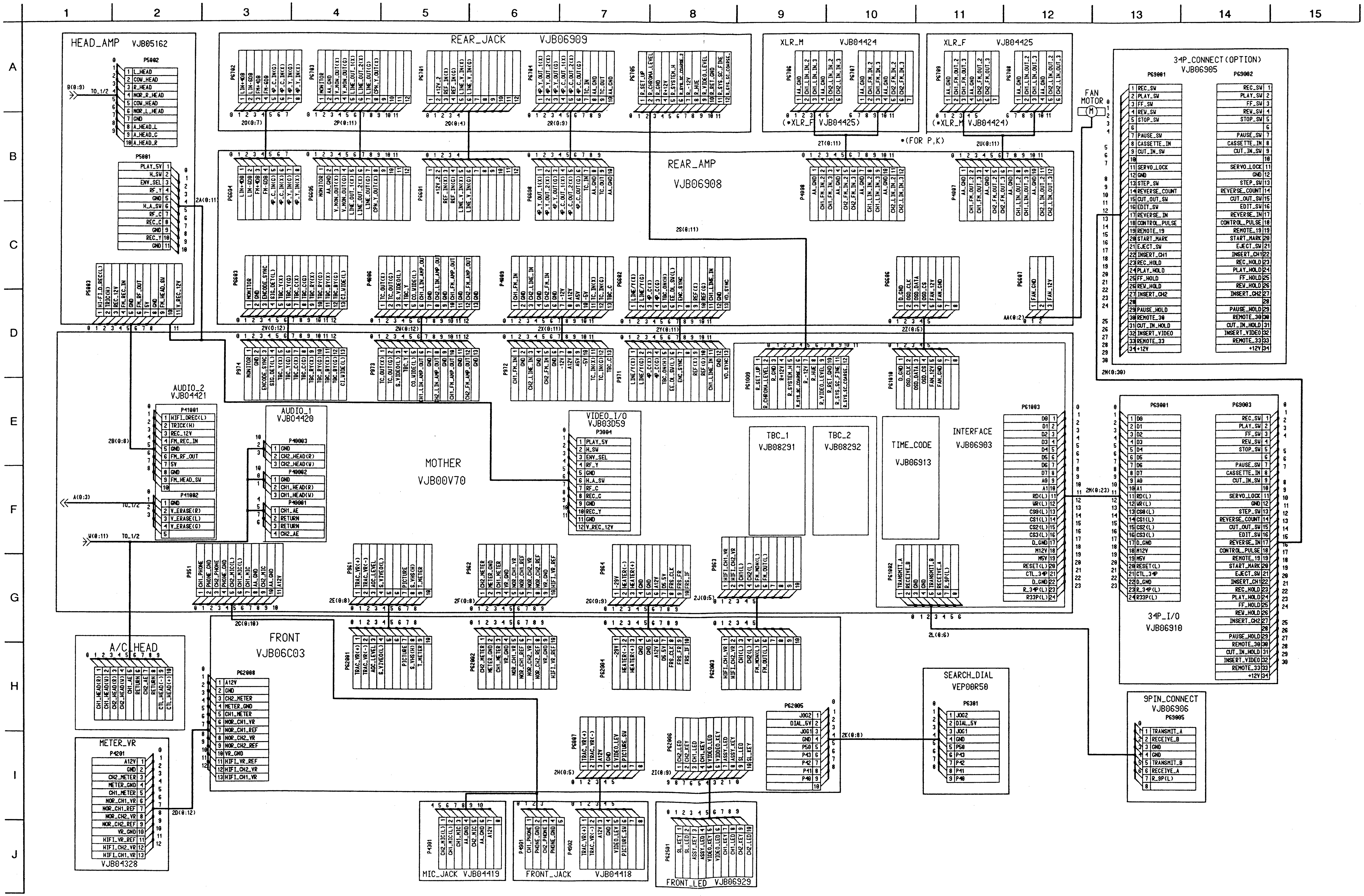
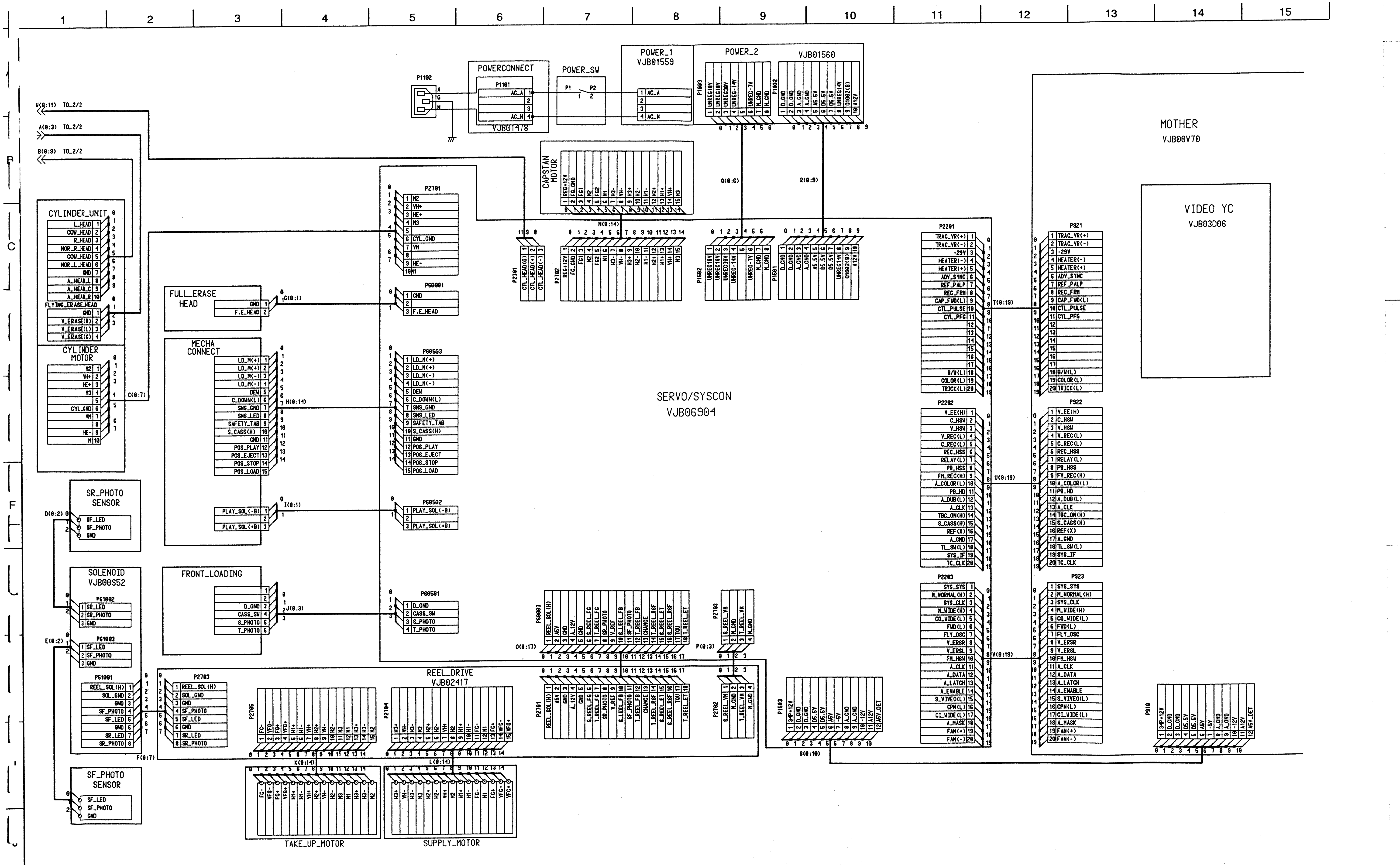
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
POWERCONNECT
P1101
VJB01478
P1102
POWER_SW
POWER_1
VJB01559
POWER_2
VJB01560
P1003
P1002
CAPSTAN MOTOR
N(0:14)
Q(0:6)
R(0:9)
MOTHER
VJB00V70
VIDEO YC
VJB03D60
YC REC
VJB03D58
V(0:11) TO_2/2
A(0:3) TO_2/2
B(0:9) TO_2/2
CYLINDER_UNIT
FLYING_ERASE_HEAD
CYLINDER MOTOR
C(0:7)
FULL_ERASE HEAD
G(0:1)
MECHA CONNECT
H(0:14)
I(0:1)
FRONT_LOADING
J(0:3)
P2701
P60001
P60503
P60502
P60501
P2301
P2702
P1502
P1501
SERVO/SYSCON
VJB06904
P2201
P2202
P2203
T(0:19)
U(0:19)
V(0:19)
P921
P922
P923
SR_PHOTO SENSOR
D(0:2)
SOLENOID
VJB00S52
P61002
P61003
E(0:2)
P61001
F(0:7)
P2703
REEL_DRIVE
VJB02417
P2705
P2704
P60003
P2703
P2701
P2702
O(0:17)
P(0:3)
P1503
S(0:10)
P910
K(0:14)
L(0:14)
TAKE_UP_MOTOR
SUPPLY_MOTOR
SF_PHOTO SENSOR
SF_LED
SF_PHOTO
GND

INTERCONNECTION (2) SCHEMATIC DIAGRAM for AG-DS555

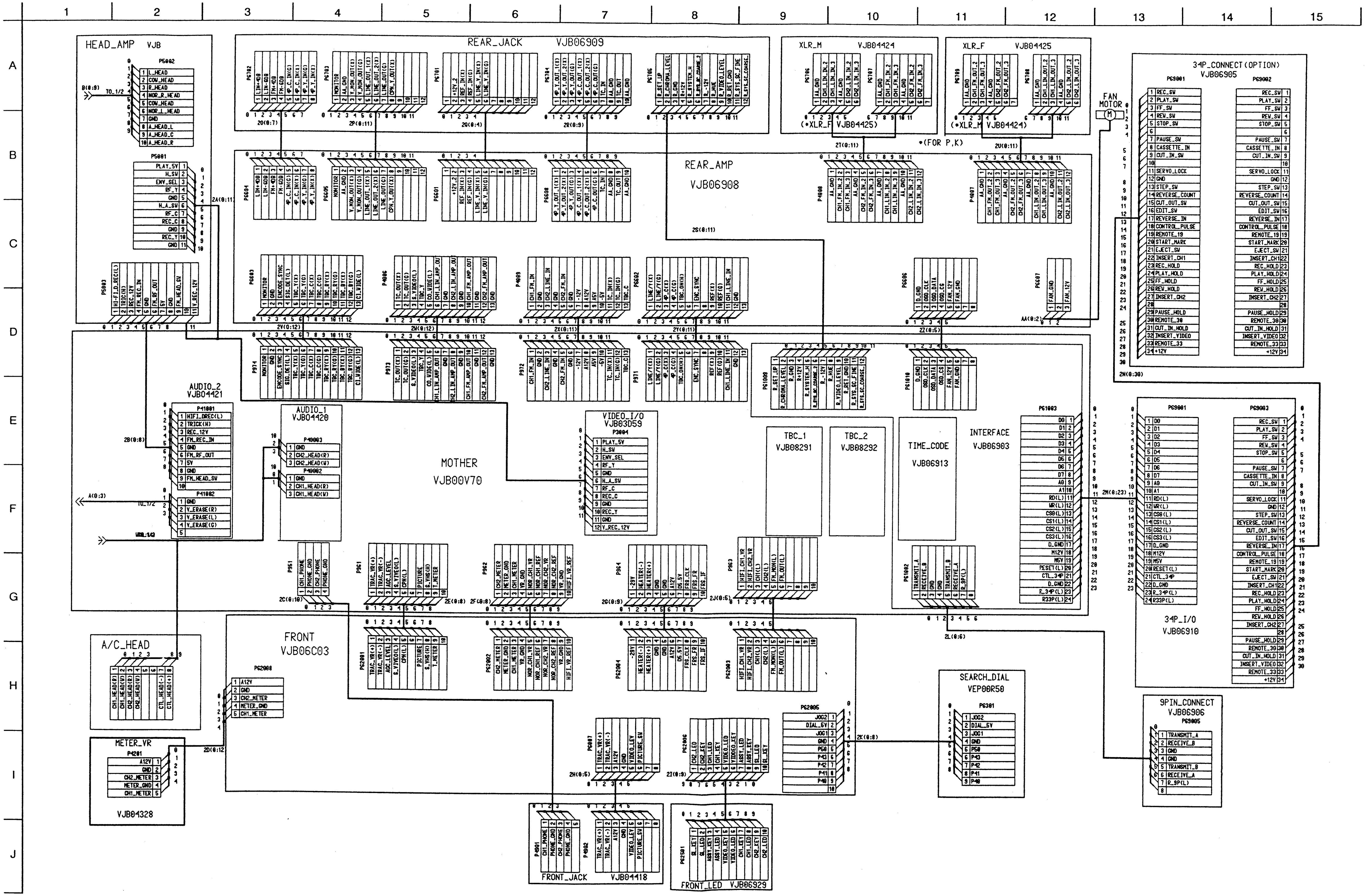

HEAD_AMP VJB05162
REAR_JACK VJB06909
XLR_M VJB04424
XLR_F VJB04425
(*XLR_F VJB04425)
(*XLR_M VJB04424)
*(FOR P,K)
FAN MOTOR
34P_CONNECT (OPTION) VJB06905
REAR_AMP VJB06908
AUDIO_2 VJB04421
AUDIO_1 VJB04420
MOTHER VJB00V70
VIDEO_I/O VJB03D59
TBC_1 VJB08291
TBC_2 VJB08292
TIME_CODE VJB06913
INTERFACE VJB06903
34P_I/O VJB06910
A/C HEAD
FRONT VJB06C03
METER_VR VJB04328
SEARCH_DIAL VEP00R50
9PIN_CONNECT VJB06906
MIC_JACK VJB04419
FRONT_JACK VJB04418
FRONT_LED VJB06929

·TERCONNECTION (1) SCHEMATIC DIAGRAM for AG-DS545



1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
B
C
F
POWERCONNECT
VJB01478
P1102
P1101
AC_A
AC_N
POWER_SW
P1
P2
POWER_1
VJB01559
AC_A
AC_N
POWER_2
VJB01560
P1003
UNREG18V
UNREG18V
UNREG20V
UNREG-14V
UNREG-7V
M_GND
M_GND
P1002
D_GND
D_GND
A_GND
A_GND
A5.5V
D5.5V
D5.5V
UNREG14V
D10G2(B)
A12V
Q(0:6)
R(0:9)
V(0:11) TO_2/2
A(0:3) TO_2/2
B(0:9) TO_2/2
CAPSTAN MOTOR
REC+12V
FG_GND
FG1
M2
FG2
M1
H3-
VH-
H3+
H2-
H1-
H2+
H1+
VH+
M3
N(0:14)
MOTHER
VJB00V70
VIDEO YC
VJB03D06
CYLINDER_UNIT
L_HEAD
COM_HEAD
R_HEAD
NOR_R_HEAD
COM_HEAD
NOR_L_HEAD
GND
A_HEAD_L
A_HEAD_C
A_HEAD_R
FLYING_ERASE_HEAD
GND
V_ERASE(R)
V_ERASE(L)
V_ERASE(G)
CYLINDER MOTOR
M2
VH+
HE+
M3
CYL_GND
VH
HE-
M
C(0:7)
P2701
M2
VH+
HE+
M3
CYL_GND
VH
HE-
M1
FULL_ERASE HEAD
GND
F.E_HEAD
G(0:1)
P60001
GND
F.E_HEAD
MECHA CONNECT
LD_M(+)
LD_M(+)
LD_M(-)
LD_M(-)
DEW
C_DOWN(L)
SNS_GND
SNS_LED
SAFETY_TAB
S_CASS(H)
GND
POS_PLAY
POS_EJECT
POS_STOP
POS_LOAD
H(0:14)
P60503
LD_M(+)
LD_M(+)
LD_M(-)
LD_M(-)
DEW
C_DOWN(L)
SNS_GND
SNS_LED
SAFETY_TAB
S_CASS(H)
GND
POS_PLAY
POS_EJECT
POS_STOP
POS_LOAD
PLAY_SOL(-B)
PLAY_SOL(+B)
I(0:1)
P60502
PLAY_SOL(-B)
PLAY_SOL(+B)
FRONT_LOADING
D_GND
CASS_SW
S_PHOTO
T_PHOTO
J(0:3)
P60501
D_GND
CASS_SW
S_PHOTO
T_PHOTO
SR_PHOTO SENSOR
SF_LED
SF_PHOTO
GND
D(0:2)
SOLENOID
VJB00S52
P61002
SR_LED
SR_PHOTO
GND
E(0:2)
P61003
SF_LED
SF_PHOTO
GND
P61001
REEL_SOL(H)
SOL_GND
GND
SF_PHOTO
SF_LED
GND
SR_LED
SR_PHOTO
F(0:7)
P2703
REEL_SOL(H)
SOL_GND
GND
SF_PHOTO
SF_LED
GND
SR_LED
SR_PHOTO
SF_PHOTO SENSOR
SF_LED
SF_PHOTO
GND
P2301
CTL_HEAD(G)
CTL_HEAD(+)
CTL_HEAD(-)
P2702
REC+12V
FG_GND
FG1
M2
FG2
M1
H3-
VH-
H3+
H2-
H1-
H2+
H1+
VH+
M3
P1502
UNREG18V
UNREG18V
UNREG20V
UNREG-14V
UNREG-7V
M_GND
M_GND
P1501
D_GND
D_GND
A_GND
A_GND
A5.5V
D5.5V
D5.5V
UNREG14V
D10G2(B)
A12V
SERVO/SYSCON
VJB06904
P2201
TRAC_VR(+)
TRAC_VR(-)
-29V
HEATER(-)
HEATER(+)
ADV_SYNC
REF_PALP
REC_FRM
CAP_FWD(L)
CTL_PULSE
CYL_PFG
B/W(L)
COLOR(L)
TRICK(L)
T(0:19)
P921
TRAC_VR(+)
TRAC_VR(-)
-29V
HEATER(-)
HEATER(+)
ADV_SYNC
REF_PALP
REC_FRM
CAP_FWD(L)
CTL_PULSE
CYL_PFG
B/W(L)
COLOR(L)
TRICK(L)
P2202
V_EE(H)
C_HSW
V_HSW
V_REC(L)
C_REC(L)
REC_HSS
RELAY(L)
PB_HSS
FM_REC(H)
A_COLOR(L)
PB_HD
A_DUB(L)
A_CLK
TBC_ON(H)
S_CASS(H)
REF(X)
A_GND
TL_SW(L)
SYS_IF
TC_CLK
U(0:19)
P922
V_EE(H)
C_HSW
V_HSW
V_REC(L)
C_REC(L)
REC_HSS
RELAY(L)
PB_HSS
FM_REC(H)
A_COLOR(L)
PB_HD
A_DUB(L)
A_CLK
TBC_ON(H)
S_CASS(H)
REF(X)
A_GND
TL_SW(L)
SYS_IF
TC_CLK
P2203
SYS_SYS
N_NORMAL(H)
SYS_CLK
N_WIDE(H)
CO_WIDE(L)
FWD(L)
FLY_OSC
V_ERSR
V_ERSL
FM_HSW
A_CLK
A_DATA
A_LATCH
A_ENABLE
S_VIVEO(L)
CPN(L)
CI_WIDE(L)
A_MASK
FAN(+)
FAN(-)
V(0:19)
P923
SYS_SYS
N_NORMAL(H)
SYS_CLK
N_WIDE(H)
CO_WIDE(L)
FWD(L)
FLY_OSC
V_ERSR
V_ERSL
FM_HSW
A_CLK
A_DATA
A_LATCH
A_ENABLE
S_VIVEO(L)
CPN(L)
CI_WIDE(L)
A_MASK
FAN(+)
FAN(-)
P60003
REEL_SOL(H)
A5V
GND
A_12V
GND
S_REEL_FG
T_REEL_FG
SR_PHOTO
V_REF
S_LEEL_FB
SF_PHOTO
T_REEL_FB
CHANGE
T_REEL_RSF
S_REEL_ET
S_REEL_RSF
TQU
T_REEL_ET
O(0:17)
P2703
S_REEL_VH
M_GND
T_REEL_VH
M_GND
P(0:3)
REEL_DRIVE
VJB02417
P2101
REEL_SOL(H)
A5V
GND
A_12V
GND
S_REEL_FG
T_REEL_FG
SR_PHOTO
V_REF
S_LEEL_FB
SF_PHOTO
T_REEL_FB
CHANGE
T_REEL_RSF
S_REEL_ET
S_REEL_RSF
TQU
T_REEL_ET
P2102
S_REEL_VH
M_GND
T_REEL_VH
M_GND
P2105
FG-
VFG-
FG+
VFG+
H1+
VH+
H2+
VH-
H2-
M1
M3
H1-
H3+
H3-
M2
P2104
H3+
VH-
H3-
M3
H2-
H2+
VH+
M2
H1+
H1-
FG-
M1
FG+
VFG-
VFG+
K(0:14)
L(0:14)
TAKE_UP_MOTOR
SUPPLY_MOTOR
P1503
3+P+12V
D_GND
D_GND
D5.5V
D5.5V
A5V
-5V
A_GND
A_GND
-12V
A12V
A5V_DET
S(0:10)
P910
3+P+12V
D_GND
D_GND
D5.5V
D5.5V
A5V
-5V
A_GND
A_GND
-12V
A12V
A5V_DET

INTERCONNECTION (2) SCHEMATIC DIAGRAM for AG-DS545


1
2
3
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5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
HEAD_AMP VJB
REAR_JACK VJB06909
XLR_M VJB04424
XLR_F VJB04425
(•XLR_F VJB04425)
(•XLR_M VJB04424)
•(FOR P,K)
FAN MOTOR
34P_CONNECT(OPTION) VJB06905
REAR_AMP VJB06908
AUDIO_2 VJB04421
AUDIO_1 VJB04420
MOTHER VJB00V70
VIDEO_I/O VJB03D59
TBC_1 VJB08291
TBC_2 VJB08292
TIME_CODE VJB06913
INTERFACE VJB06903
34P_I/O VJB06910
A/C_HEAD
FRONT VJB06C03
SEARCH_DIAL VEP00R50
9PIN_CONNECT VJB06906
METER_VR VJB04328
FRONT_JACK VJB04418
FRONT_LED VJB06929

SECTION 7

CIRCUIT BOARD DIAGRAMS

CONTENTS

POWER 1 C.B.A. AND POWER 2 C.B.A. CBA-3
MOTHER C.B.A., MIC JACK C.B.A. (AG-DS555 ONLY)
AND FRONT JACK C.B.A. CBA-4
SERVO & SYSTEM CONTROL C.B.A. CBA-5
YC REC C.B.A. CBA-6
VIDEO YC C.B.A. AND VIDEO YC SUB C.B.A. CBA-7
VIDEO I/O C.B.A. CBA-8
TBC 1 C.B.A. CBA-9
TBC 2 C.B.A. CBA-10
AUDIO 1 C.B.A. CBA-11
AUDIO 2 C.B.A. CBA-12
INTERFACE C.B.A. AND 9 PIN CONNECT C.B.A. CBA-13
FRONT C.B.A. CBA-14
TIME CODE C.B.A. (AG-DS555 ONLY) CBA-15
REAR JACK C.B.A. CBA-16
REAR AMP C.B.A. CBA-17
HEAD AMP C.B.A. AND REEL DRIVE C.B.A. CBA-18
XLR M C.B.A. (AG-DS555 ONLY) AND XLR F C.B.A. CBA-18

IMPORTANT SAFETY NOTICE

COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE

DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST.
AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

POWER (1) C.B.A. AND POWER (2) C.B.A.

POWER (1) C.B.A.	
Connector	
P1001	C-1

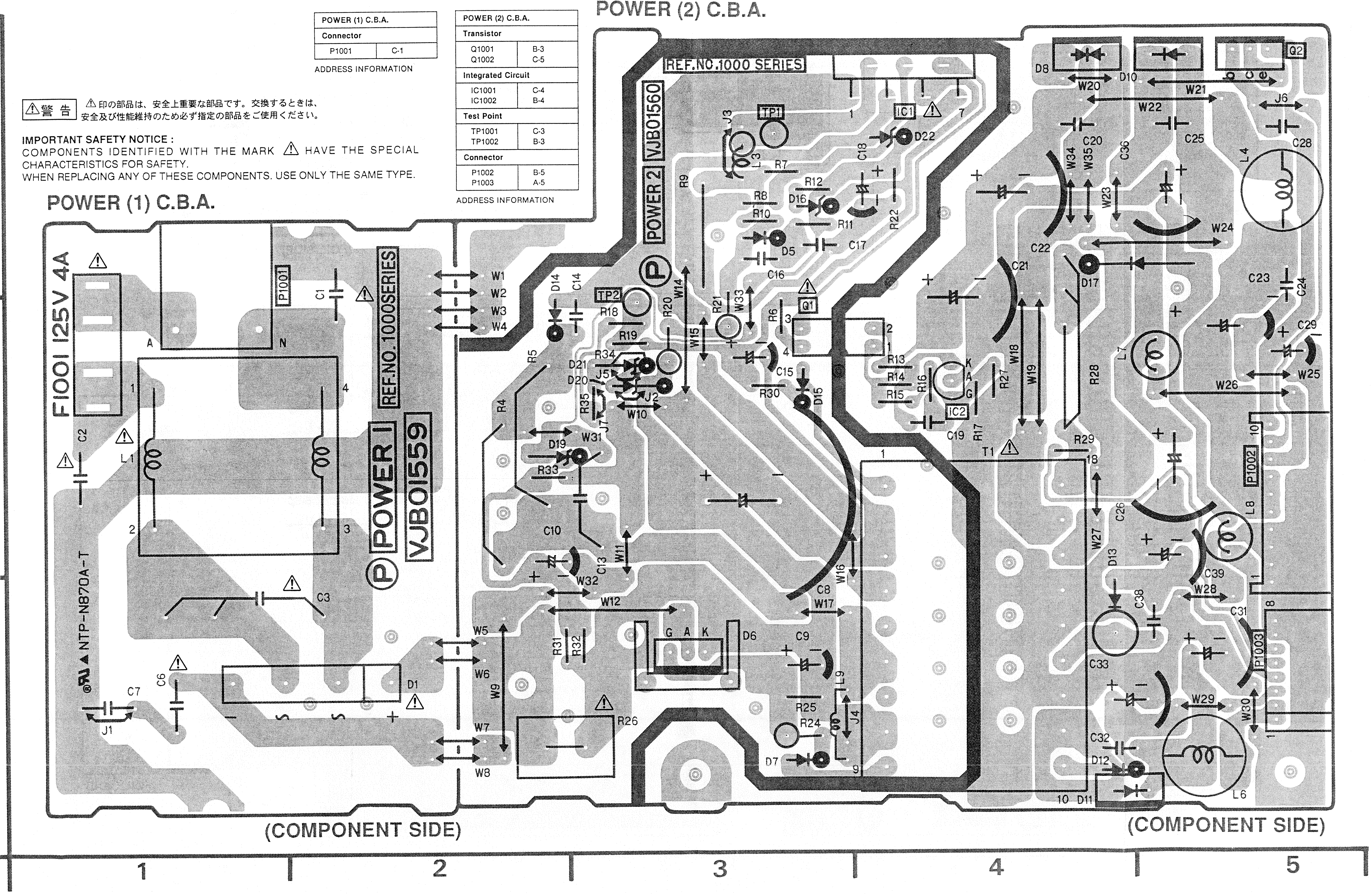
ADDRESS INFORMATION

POWER (2) C.B.A.	
Transistor	
Q1001 Q1002	B-3 C-5
Integrated Circuit	
IC1001 IC1002	C-4 B-4
Test Point	
TP1001 TP1002	C-3 B-3
Connector	
P1002 P1003	B-5 A-5

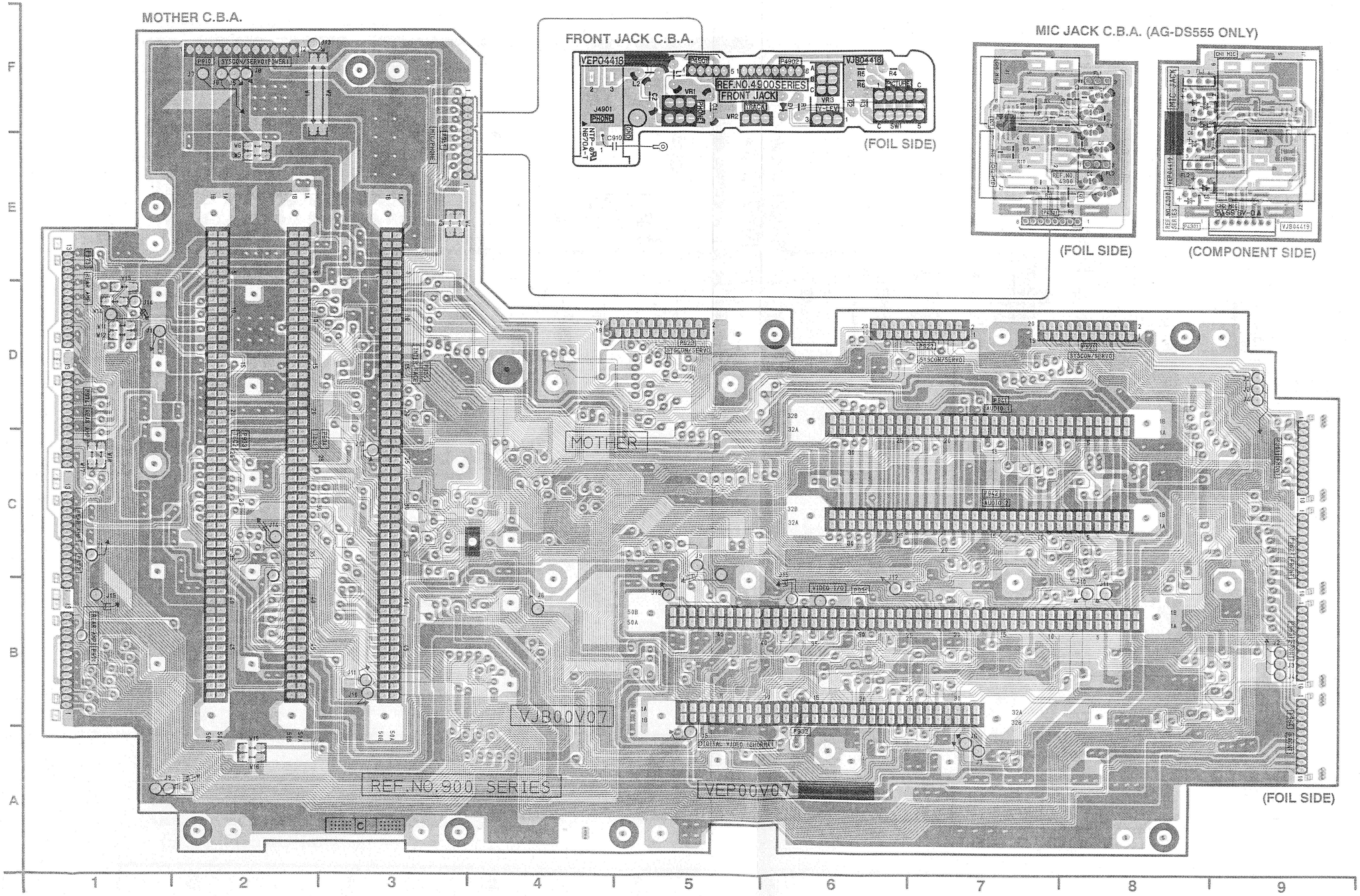
ADDRESS INFORMATION

⚠警 告　⚠印の部品は、安全上重要な部品です。交換するときは、
安全及び性能維持のため必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE :
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.


POWER (2) C.B.A.
POWER (1) C.B.A.
F1001 125V 4A
P1001
REF.NO. 1000SERIES
POWER 1
VJB01559
NTP-N870A-T
L1
C1
C2
C3
C6
C7
D1
J1
W1
W2
W3
W4
W5
W6
W7
W8
W9
REF.NO.1000 SERIES
POWER 2
VJB01560
TP1
TP2
IC1
IC2
Q1
Q2
T1
D5
D6
D7
D8
D10
D11
D12
D13
D14
D15
D16
D17
D19
D20
D21
D22
L3
L4
L6
L7
L8
L9
J2
J3
J4
J5
J6
J7
P1002
P1003
W10
W11
W12
W14
W15
W16
W17
W18
W19
W20
W21
W22
W23
W24
W25
W26
W27
W28
W29
W30
W31
W32
W33
W34
W35
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
R18
R19
R20
R21
R22
R24
R25
R26
R27
R28
R29
R30
R31
R32
R33
R34
R35
C8
C9
C10
C13
C14
C15
C16
C17
C18
C19
C20
C21
C22
C23
C24
C25
C26
C28
C29
C31
C32
C33
C36
C38
C39
G A K
(COMPONENT SIDE)
(COMPONENT SIDE)
1
2
3
4
5
A
B
C

MOTHER C.B.A., MIC JACK C.B.A. (AG-DS555 ONLY) AND FRONT JACK C.B.A.


MOTHER C.B.A.
FRONT JACK C.B.A.
VEP04418
REF.NO.4900SERIES
FRONT JACK
VJB04418
(FOIL SIDE)
MIC JACK C.B.A. (AG-DS555 ONLY)
(FOIL SIDE)
(COMPONENT SIDE)
MOTHER
VJB00V07
REF.NO.900 SERIES
VEP00V07
(FOIL SIDE)
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9

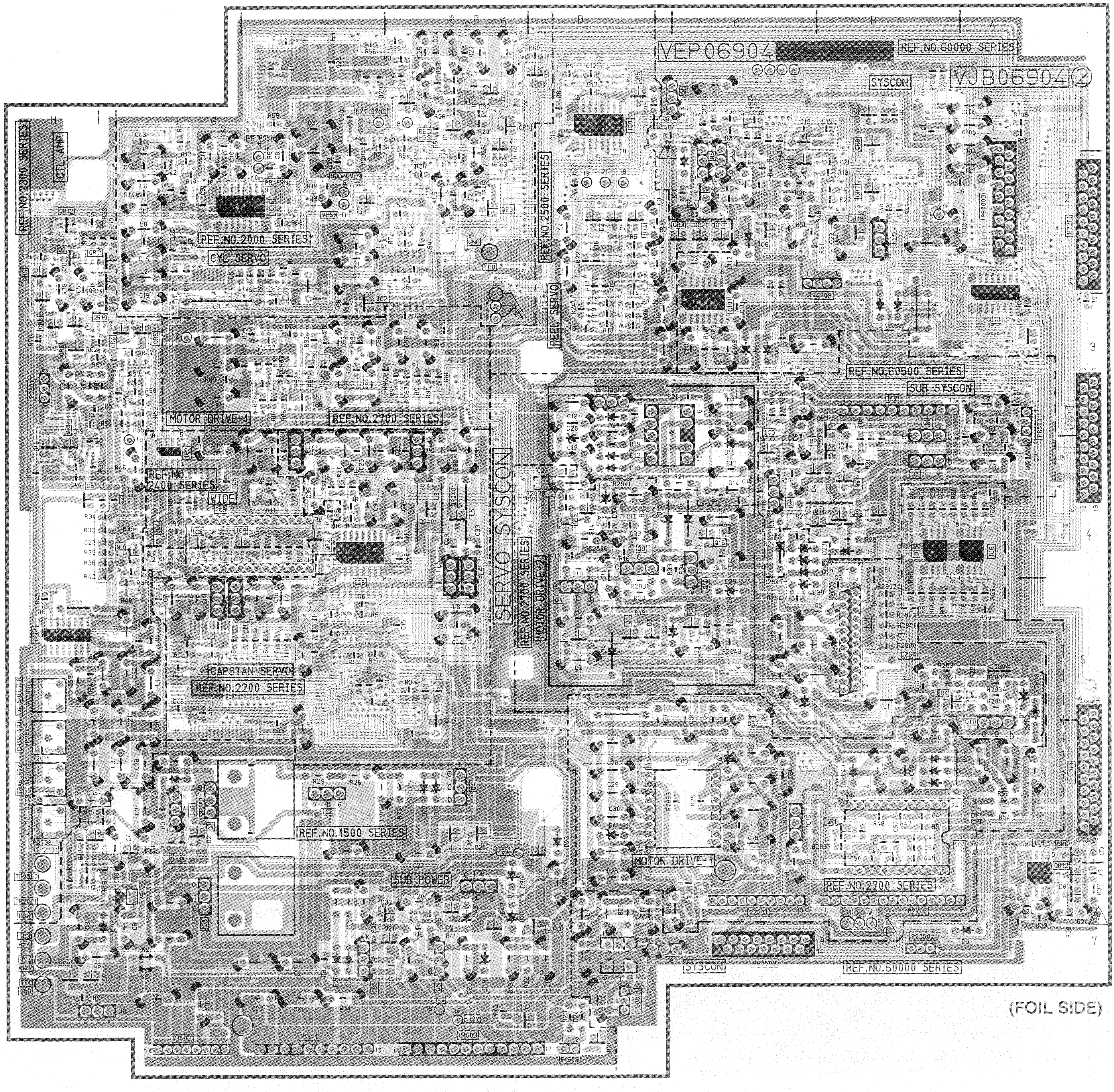
ERVO AND SYSTEM CONTROL C.B.A.

THER C.B.A.	
nn[illegible]or	
9[illegible]	E - 3
910	F - 2
921	D - 8
9[illegible]	D - 7
9[illegible]	D - 5
931	B - 6
932	B - 6
9[illegible]	C - 2
9[illegible]	C - 3
9[illegible]	D - 3
941	D - 7
942	C - 7
9[illegible]	C - 9
9[illegible]	C - 9
963	B - 9
964	B - 9
9[illegible]	B - 1
9[illegible]	C - 1
9[illegible]	E - 1
974	D - 1

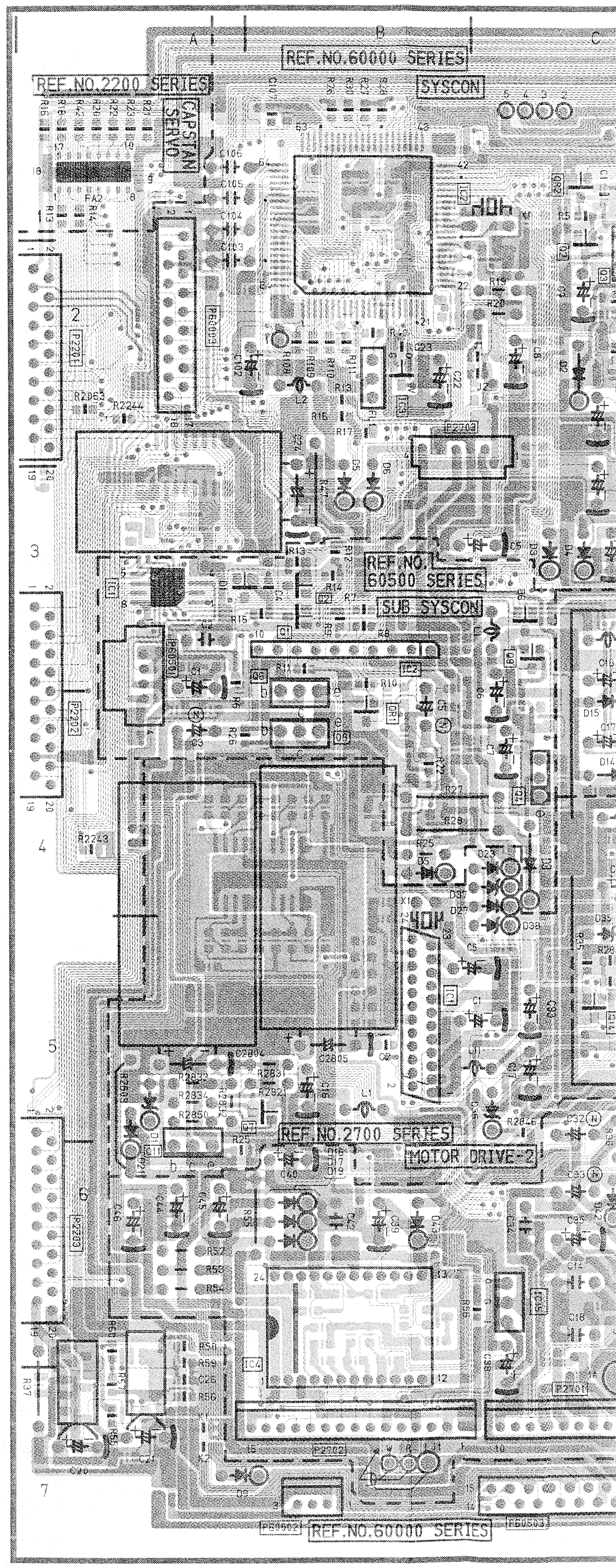
RE[illegible] INFORMATION

NT JACK C.B.A.	
stment	
R4[illegible]	F-5
R4[illegible]	F-5
R4903	F-6
nector	
190[illegible]	F-5
190[illegible]	F-6

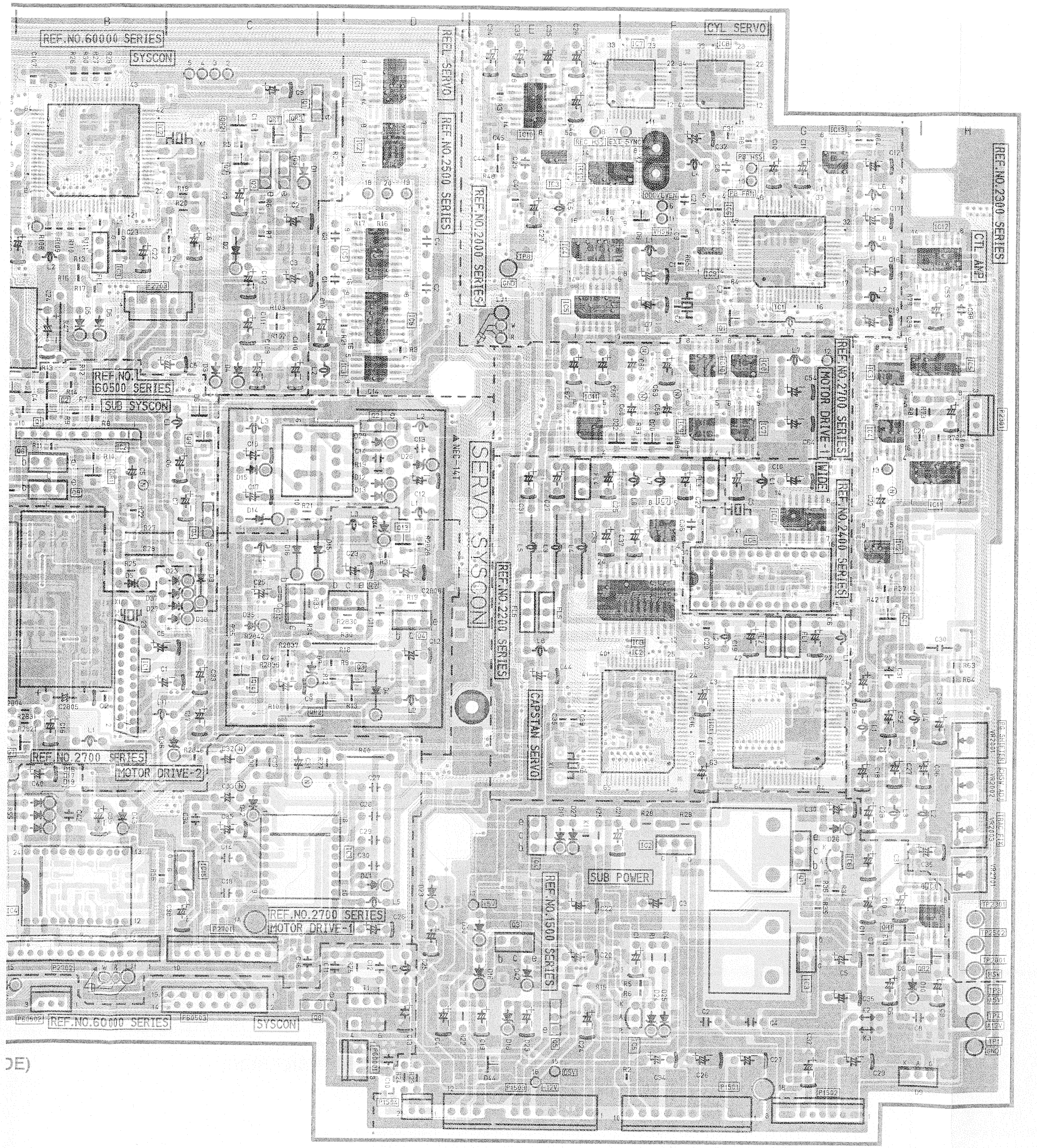
ESS INFORMATION


VEP06904
REF.NO.60000 SERIES
VJB06904②
SYSCON
REF.NO.2300 SERIES
CTL AMP
REF.NO.2000 SERIES
CYL SERVO
REF.NO.2500 SERIES
REEL SERVO
REF.NO.60500 SERIES
SUB SYSCON
MOTOR DRIVE-1
REF.NO.2700 SERIES
REF.NO. 2400 SERIES
WIDE
SERVO SYSCON
MOTOR DRIVE-2
CAPSTAN SERVO
REF.NO.2200 SERIES
REF.NO.1500 SERIES
SUB POWER
A
B
C
D
E
F
G
1
2
3
4
5
6
7

(FOIL SIDE)


REF.NO.2200 SERIES
CAPSTAN SERVO
REF.NO.60000 SERIES
SYSCON
REF.NO. 60500 SERIES
SUB SYSCON
REF.NO.2700 SERIES
MOTOR DRIVE-2
A
B
1
2
3
4
5
6
7

(COMPONENT SIDE)


REF.NO.60000 SERIES
SYSCON
REEL SERVO
REF.NO.2500 SERIES
REF.NO.2000 SERIES
CYL SERVO
REF.NO.2300 SERIES
CTL AMP
REF.NO.60500 SERIES
SUB SYSCON
SERVO SYSCON
REF.NO.2700 SERIES
MOTOR DRIVE-1
WIDE
REF.NO.2400 SERIES
REF.NO.2200 SERIES
CAPSTAN SERVO
REF.NO.2700 SERIES
MOTOR DRIVE-2
SUB POWER
REF.NO.1500 SERIES
REF.NO.2700 SERIES
MOTOR DRIVE-1
REF.NO.60000 SERIES
SYSCON

DE)

SERVO & SYSTEM CONTROL

Transistor

Q1501	G-6 (F),(C)
Q1502	D-3 (F),(C)
Q1503	E-7 (F),(C)
Q1504	D-6 (F),(C)
Q1505	E-7 (F),(C)
Q2001	F-3 (C)
Q2302	H-2 (F)
Q2303	G-4 (F)
Q2304	G-4 (C)
Q2305	H-4 (F)
Q2703	D-5 (C)
Q2704	D-5 (F),(C)
Q2705	D-5 (F)
Q2706	D-5 (F)
Q2707	B-5 (C)
Q2709	D-4 (F),(C)
Q2710	C-4 (F),(C)
Q2711	A-5 (F),(C)
Q2713	D-4 (C)
Q2714	C-5 (C)
Q2715	D-4 (F)
Q2716	C-4 (F)
Q60001	C-1 (F),(C)
Q60002	C-2 (C)
Q60003	C-2 (F),(C)
Q60004	C-2 (F)
Q60005	C-2 (F),(C)
Q60006	C-2 (F)
Q60007	B-1 (F)
Q60008	D-7 (F),(C)
Q60501	B-3 (C)
Q60502	B-3 (C)
Q60503	B-3 (F)
Q60504	C-4 (F),(C)
Q60505	B-4 (F)
Q60506	B-3 (F),(C)
Q60507	B-4 (F)
Q60508	B-4 (F),(C)
Q60509	C-3 (C)

Transistor & Resistor

QR1501	G-7 (C)
QR1502	H-7 (C)
QR1503	H-7 (F)
QR1541	D-7 (F)
QR2003	E-2 (F)
QR2005	E-1 (F)
QR2304	G-3 (F)
QR2305	G-3 (F)
QR2306	H-3 (F)
QR2308	H-3 (F)
QR2309	H-2 (F)
QR2310	G-3 (F)
QR2311	G-2 (F)
QR2312	H-2 (F)
QR2313	H-4 (F)
QR2314	G-2 (F)
QR2401	E-4 (F)
QR2402	F-4 (F)
QR2501	C-2 (F)
QR2502	C-2 (F)
QR2503	C-2 (F)
QR2504	D-2 (F)
QR2505	D-1 (F)
QR2701	B-6 (F)
QR2703	C-5 (F)
QR2704	B-5 (F)
QR60001	C-1 (C)
QR60002	C-1 (C)
QR60004	C-2 (F)
QR60006	A-6 (F)
QR60007	B-2 (F)
QR60008	B-1 (F)
QR60010	A-3 (F)
QR60012	A-7 (F)
QR60013	B-2 (F)
QR60501	B-4 (C)
QR60502	B-4 (F)
QR60503	B-4 (F)

Integrated Circuit

IC1501	H-6 (C)
IC1502	F-6 (F),(C)
IC1503	G-7 (F),(C)
IC1505	F-7 (F),(C)
IC1506	G-6 (F),(C)
IC2001	G-1 (C)
IC2002	F-3 (F)
IC2003	E-1 (C)
IC2004	E-2 (C)
IC2005	E-2 (C)
IC2006	F-2 (C)
IC2007	F-1 (C)
IC2008	F-1 (C)
IC2009	F-2 (C)
IC2010	E-1 (C)
IC2012	E-2 (C)
IC2013	G-1 (C)
IC2014	E-1 (C)
IC2016	F-2 (F)
IC2201	F-5 (C)
IC2202	F-5 (C)
IC2203	F-4 (C)
IC2206	F-4 (F)
IC2207	F-4 (C)
IC2302	G-4 (C)
IC2303	G-3 (C)
IC2304	G-3 (C)
IC2305	H-3 (C)
IC2310	H-5 (F)
IC2311	H-4 (C)
IC2312	H-2 (C)
IC2401	G-4 (C)
IC2402	G-4 (F)
IC2403	G-4 (F)
IC2404	G-4 (F)
IC2405	G-4 (F)
IC2406	G-4 (F),(C)
IC2501	D-1 (C)
IC2502	D-1 (C)
IC2503	D-3 (C)
IC2505	D-2 (C)
IC2506	D-3 (C)
IC2507	D-1 (F)
IC2701	B-5 (F),(C)
IC2703	C-6 (F),(C)
IC2704	B-6 (F),(C)
IC2705	B-4 (F)
IC2706	A-4 (F)
IC2707	F-3 (C)
IC2708	F-3 (C)
IC2709	F-3 (C)
IC2710	F-3 (C)
IC2711	E-3 (C)
IC2715	C-6 (F),(C)
IC60001	A-3 (F)
IC60002	B-1 (C)
IC60007	A-7 (F)
IC60101	C-3 (F)
IC60501	A-3 (C)
IC60502	B-3 (F),(C)
IC60503	C-4 (F)

Test Point

TP1501	H-7 (F),(C)
TP1503	H-7 (F),(C)
TP1504	H-7 (F),(C)
TP2001	H-7 (F),(C)
TP2008	E-2 (F),(C)
TP2301	H-7 (F),(C)
TP2502	H-7 (F),(C)

Adjustment

VR2001	H-5 (F),(C)
VR2002	H-6 (F),(C)
VR2003	H-6 (F),(C)
VR2701	H-6 (F),(C)

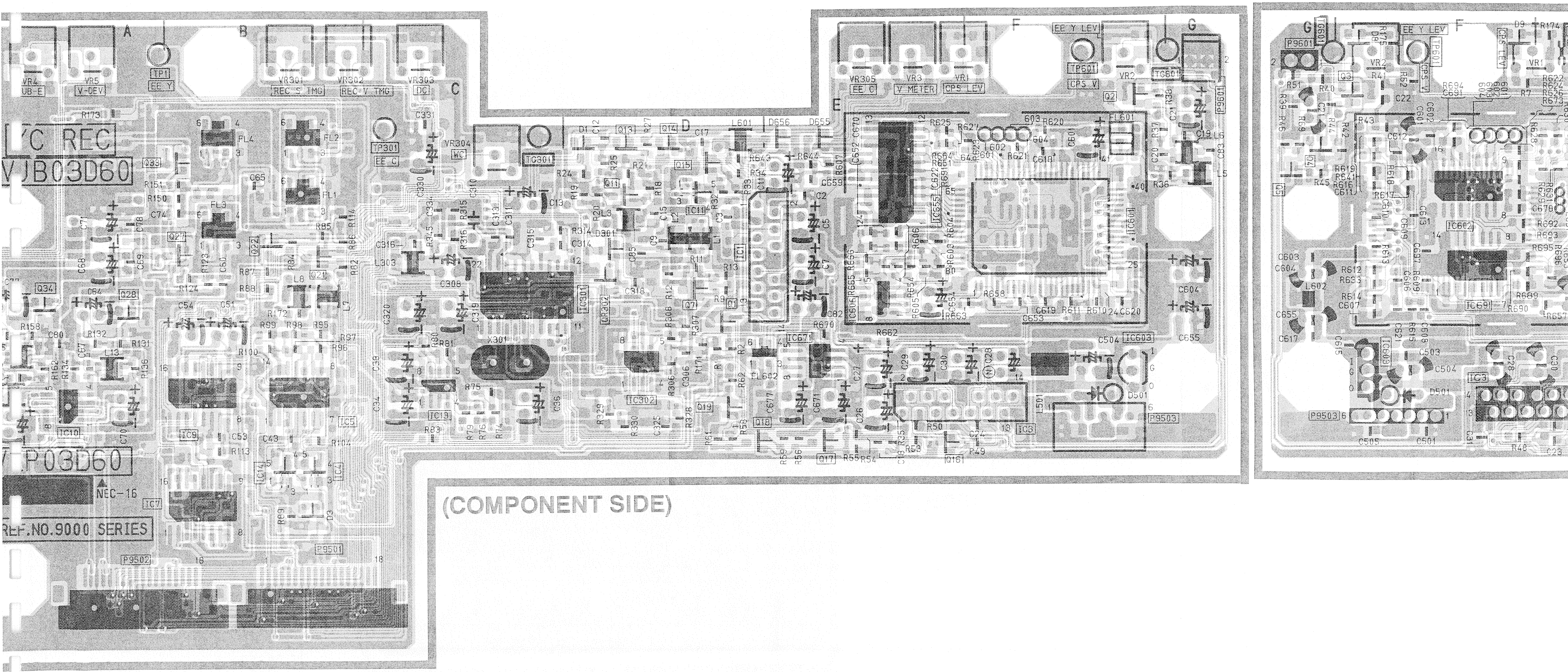
Connector

P1501	F-7 (F),(C)
P1502	G-7 (F),(C)
P1503	E-7 (F),(C)
P1504	D-7 (F),(C)
P2201	A-2 (F),(C)
P2202	A-3 (F),(C)
P2203	A-6 (F),(C)
P2301	H-3 (F),(C)
P2701	C-7 (F),(C)
P2702	B-7 (F),(C)
P2703	B-2 (F),(C)
P60001	D-7 (F),(C)
P60003	A-2 (F),(C)
P60501	A-3 (F),(C)
P6502	B-7 (F),(C)
P6503	C-7 (F),(C)

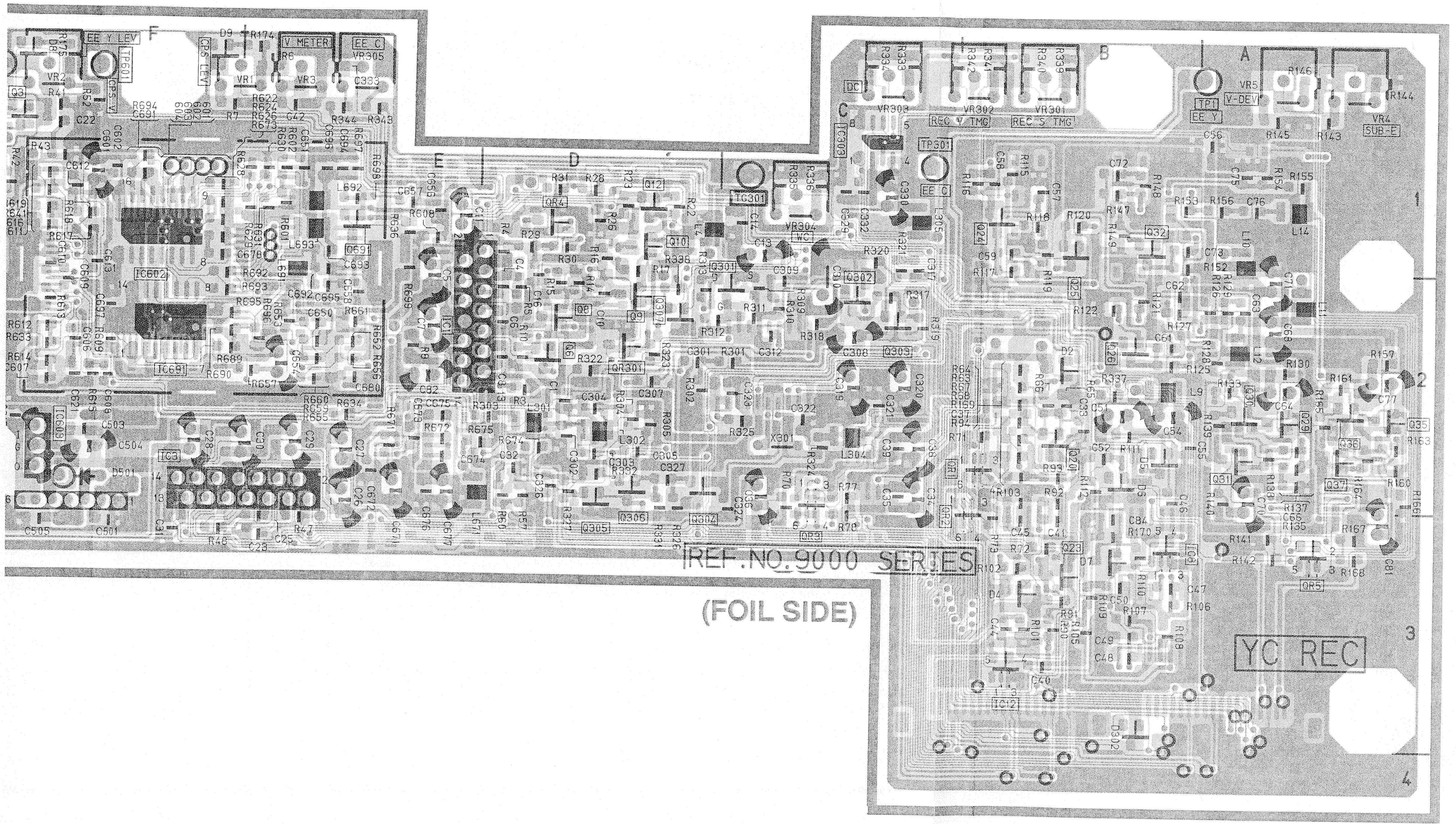
ADDRESS INFORMATION
(F) .... FOIL SIDE
(C) .... COMPONENT SIDE

IMPORTANT SAFETY NOTICE :
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

REC C.B.A (AG-DS555 ONLY)


A
B
C
D
E
F
G
VR4
SUB-E
VR5
V-DEV
TP1
EE Y
VR301
REC S TMG
VR302
REC V TMG
VR303
DC
TP301
EE C
VR304
WC
TG301
VR305
EE C
VR3
V METER
VR1
CPS LEV
EE Y LEV
TP601
CPS V
VR2
TC601
P9601
Y/C REC
VJB03D60
P03D60
NEC-16
REF.NO.9000 SERIES
P9502
P9501
P9503
IC1
IC3
IC4
IC5
IC7
IC9
IC10
IC11
IC13
IC14
IC301
IC302
IC601
IC602
IC603
IC605
IC671
IC691
QR302
X301
FL1
FL2
FL3
FL4
FL601
FL602
L601
L602
D501
D655
D656

(COMPONENT SIDE)


F
E
D
C
B
A
1
2
3
4
EE Y LEV
TP601
CPS LEV
V METER
EE C
VR305
VR2
VR1
VR3
IC602
IC691
IC603
IC3
VR303
VR302
REC Y TMG
VR301
REC S TMG
TP301
EE C
TG301
VR304
TP1
EE Y
VR5
V-DEV
VR4
SUB-E
IC1
IC12
REF.NO.9000 SERIES
YC REC

(FOIL SIDE)

YC REC C.B.A.

Transistor

Q9001	D-2	C
Q9002	F-1	C
Q9003	F-1	F
Q9004	G-1	F
Q9005	G-1	F
Q9006	D-2	F
Q9007	D-2	C
Q9008	D-2	F
Q9009	D-2	F
Q9010	D-1	F
Q9011	D-1	C
Q9012	D-1	F
Q9013	D-1	C
Q9014	D-1	C
Q9015	D-1	C
Q9016	E-3	C
Q9017	E-3	C
Q9018	D-3	C
Q9019	D-2	C
Q9020	B-2	F
Q9021	B-2	C
Q9022	B-2	C
Q9023	B-3	F
Q9024	B-1	F
Q9025	B-2	F
Q9026	B-2	F
Q9027	B-2	C
Q9028	A-2	C
Q9029	A-2	F
Q9030	A-2	F
Q9031	A-2	F
Q9032	B-1	F
Q9033	A-1	C
Q9034	A-2	C
Q9035	A-2	F
Q9036	A-2	F
Q9037	A-2	F
Q9301	D-1	F
Q9302	C-2	F
Q9303	C-2	F
Q9304	D-3	F
Q9305	D-3	F
Q9306	D-3	F
Q9307	D-2	F
Q9691	E-1	F

Transistor & Resistor

QR9001	C-2	F
QR9002	C-3	F
QR9003	C-3	F
QR9004	D-1	F
QR9005	A-3	F
QR9301	D-2	F
QR9302	D-2	C

Integrated Circuit

IC9001	E-2	F
IC9001	D-2	C
IC9003	F-2	F
IC9003	F-3	C
IC9004	B-3	C
IC9005	B-3	C
IC9007	A-3	C
IC9008	B-3	F
IC9009	B-3	C
IC9010	A-3	C
IC9011	D-1	C
IC9012	B-3	F
IC9013	C-3	C
IC9014	B-3	C
IC9301	D-2	C
IC9302	D-2	C
IC9303	C-1	F
IC9601	F-2	C
IC9602	F-2	F
IC9603	F-2	F
IC9603	F-2	C
IC9606	E-2	C
IC9655	E-2	C
IC9671	E-2	C
IC9691	F-2	F

Connector

P9501	B-3	C
P9502	A-3	C
P9503	G-3	F
P9503	F-3	C
P9601	G-1	F
P9601	G-1	C

Test Point

TP9001	B-1	F
TP9001	A-1	C
TP9301	C-1	F
TP9301	C-1	C
TP9601	F-1	F
TP9601	F-1	C
TG9301	C-1	F
TG9301	C-1	C
TG9601	G-1	F
TG9601	F-1	C

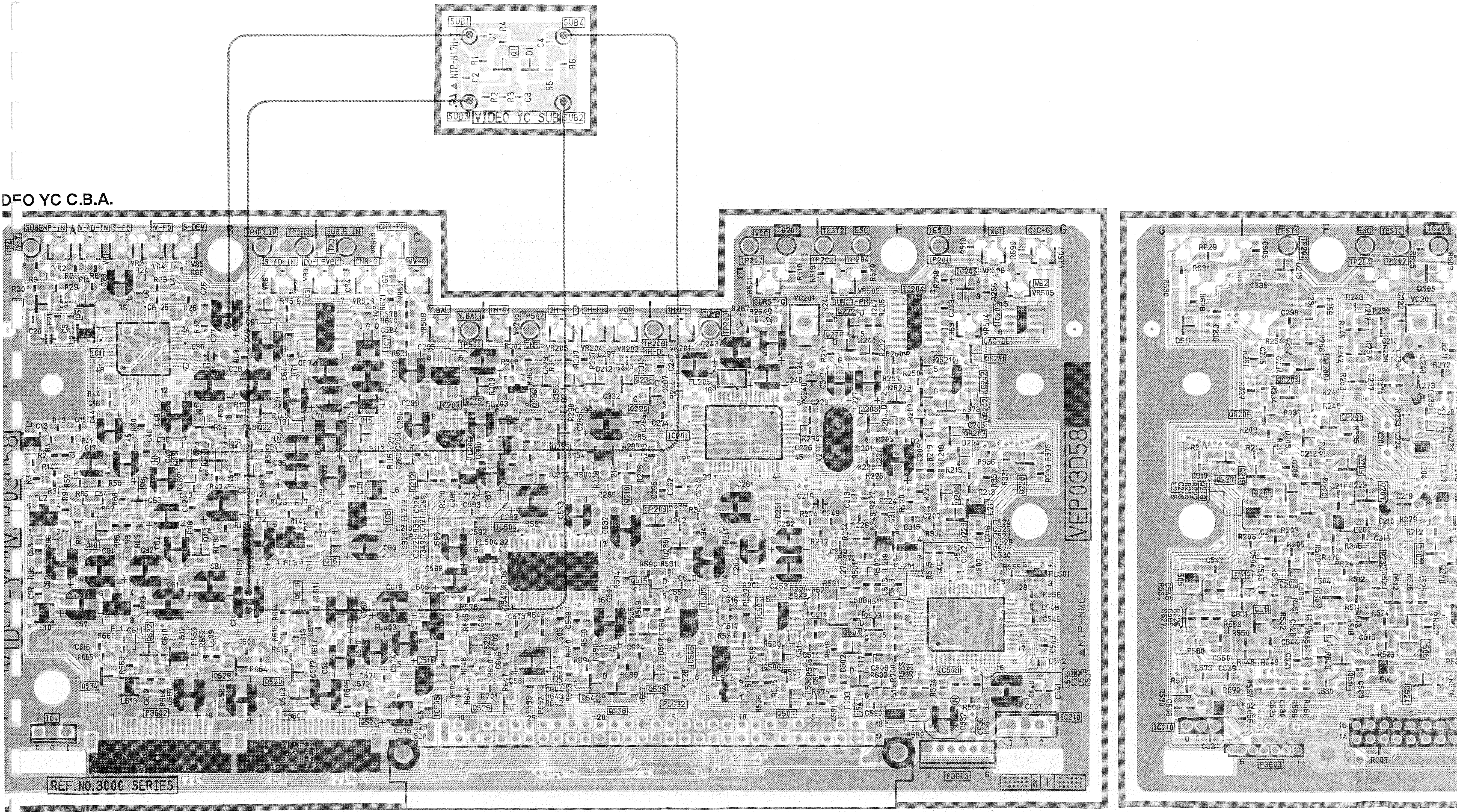
Adjustment

VR9001	F-1	F
VR9001	E-1	C
VR9002	F-1	F
VR9002	F-1	C
VR9003	E-1	F
VR9003	E-1	C
VR9004	A-1	F
VR9004	A-1	C
VR9005	A-1	F
VR9005	A-1	C
VR9301	B-1	F
VR9301	B-1	C
VR9302	B-1	F
VR9302	B-1	C
VR9303	C-1	F
VR9303	C-1	C
VR9304	C-1	F
VR9304	C-1	C
VR9305	E-1	F
VR9305	E-1	C

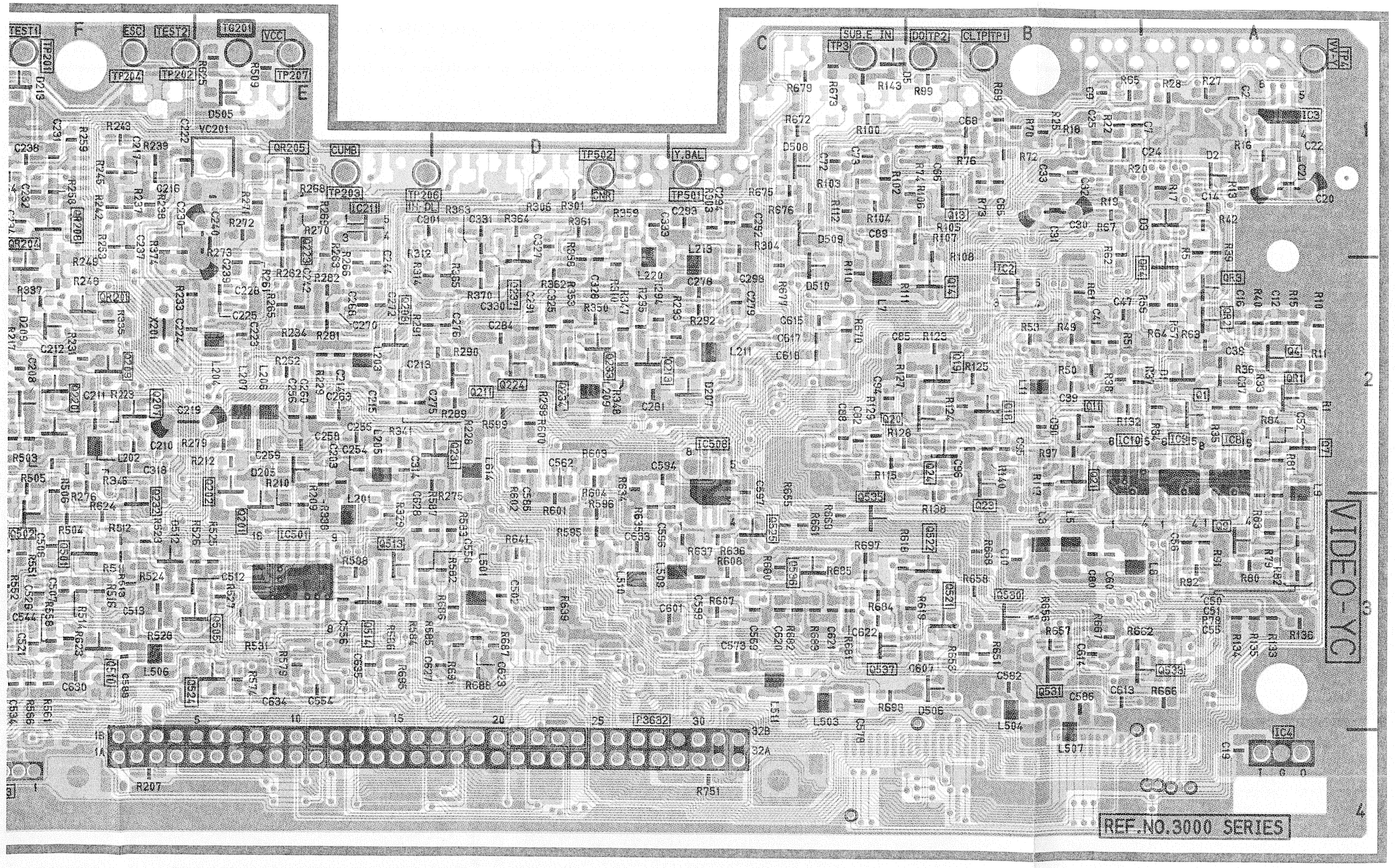
ADDRESS INFORMATION
F : FOIL SIDE
C : COMPONENT SIDE

EO YC C.B.A. AND VIDEO YC SUB C.B.A.

DEO YC C.B.A.


SUB1
SUB2
SUB3
SUB4
NTP-N17H
VIDEO YC SUB
VEP03D58
NTP-NMC-T
REF.NO.3000 SERIES
P3601
P3602
P3603
IC4
IC210
VC201
X201

OMPONENT SIDE)



(FOIL SIDE)

VIDEO YC C.B.A.

Transistor

Q3001	A-2	F
Q3002	B-2	C
Q3003	B-2	C
Q3004	A-2	F
Q3005	A-1	C
Q3006	A-1	C
Q3007	A-2	F
Q3008	A-2	C
Q3009	A-3	F
Q3010	A-2	C
Q3011	B-2	F
Q3012	B-2	C
Q3013	B-1	F
Q3014	B-2	F
Q3015	C-2	C
Q3016	C-3	C
Q3018	B-2	F
Q3019	B-2	F
Q3020	B-2	F
Q3021	B-2	F
Q3022	B-2	C
Q3023	B-2	F
Q3024	B-2	F
Q3201	E-3	F
Q3202	E-3	F
Q3202	F-2	C
Q3203	F-2	C
Q3204	F-2	C
Q3205	F-2	F
Q3206	G-2	F
Q3207	F-2	F
Q3208	E-2	F
Q3209	F-2	F
Q3210	D-2	C
Q3211	D-2	F
Q3212	C-2	C
Q3213	D-2	F
Q3215	C-2	C
Q3219	F-2	F
Q3220	F-2	F
Q3221	F-1	C
Q3222	F-1	C
Q3223	E-1	F
Q3224	D-2	F
Q3225	D-2	C
Q3227	G-2	F
Q3228	G-2	C
Q3229	F-2	C
Q3230	E-2	C
Q3231	D-2	F
Q3232	F-3	F
Q3233	D-2	F
Q3234	D-2	F
Q3235	D-2	C
Q3236	D-1	C
Q3237	D-2	F
Q3238	D-1	C
Q3501	F-3	F
Q3502	F-3	F
Q3504	F-3	C
Q3505	E-3	F
Q3506	E-3	C
Q3507	E-3	C
Q3510	F-3	F
Q3511	F-3	F
Q3512	F-3	F
Q3513	E-3	F
Q3515	D-3	C
Q3516	C-3	C
Q3519	B-3	C
Q3520	B-3	C
Q3521	B-3	F
Q3522	B-3	F
Q3524	E-3	F
Q3525	C-3	F
Q3526	D-3	C
Q3527	C-3	C
Q3528	C-3	C
Q3529	B-3	C
Q3530	B-3	F
Q3531	B-3	F
Q3532	A-3	C
Q3533	A-3	F
Q3534	A-3	C
Q3535	C-3	F
Q3536	C-3	F
Q3537	C-3	F
Q3538	D-3	C
Q3539	E-3	C
Q3540	D-3	C
Q3541	F-3	C
Q3542	D-3	C

Transistor & Resistor

QR3001	A-2	F
QR3002	A-2	F
QR3003	A-2	F
QR3004	A-2	F
QR3005	B-2	C
QR3006	B-2	C
QR3201	F-2	F
QR3202	F-2	C
QR3203	F-2	C
QR3204	F-2	F
QR3205	E-1	F
QR3206	F-2	F
QR3207	F-2	C
QR3208	F-1	F
QR3209	E-2	C
QR3210	F-1	C
QR3211	F-1	C

Integrated Circuit

IC3001	A-1	C
IC3002	B-2	F
IC3003	A-1	F
IC3004	A-4	F
IC3004	A-4	C
IC3005	B-1	C
IC3006	C-2	C
IC3007	C-1	C
IC3008	A-2	F
IC3009	A-2	F
IC3010	B-2	F
IC3201	E-2	C
IC3203	G-1	C
IC3204	F-1	C
IC3205	F-1	C
IC3206	C-2	C
IC3207	C-2	C
IC3210	G-4	F
IC3210	G-2	C
IC3211	E-1	F
IC3501	E-3	F
IC3502	E-3	C
IC3503	F-3	C
IC3504	D-2	C
IC3505	C-3	C
IC3506	E-3	C
IC3507	E-3	C
IC3508	C-2	F

Connector

P3601	B-3	C
P3602	B-3	C
P3603	F-4	F
P3603	F-3	C
P3632	D-2	F
P3632	E-3	C

Test Point

TP3001	B-1	F
TP3001	B-1	C
TP3002	B-1	F
TP3002	B-1	C
TP3003	C-1	F
TP3003	C-1	C
TP3004	A-1	F
TP3004	A-1	C
TP3201	F-1	F
TP3201	F-1	C
TP3202	F-1	F
TP3202	F-1	C
TP3203	E-1	F
TP3203	E-1	C
TP3204	F-1	F
TP3204	F-1	C
TP3206	E-1	F
TP3206	E-1	C
TP3207	E-1	F
TP3207	E-1	C
TP3501	C-1	F
TP3501	C-1	C
TP3502	D-1	F
TP3502	D-1	C
TG3201	E-1	F
TG3201	E-1	C

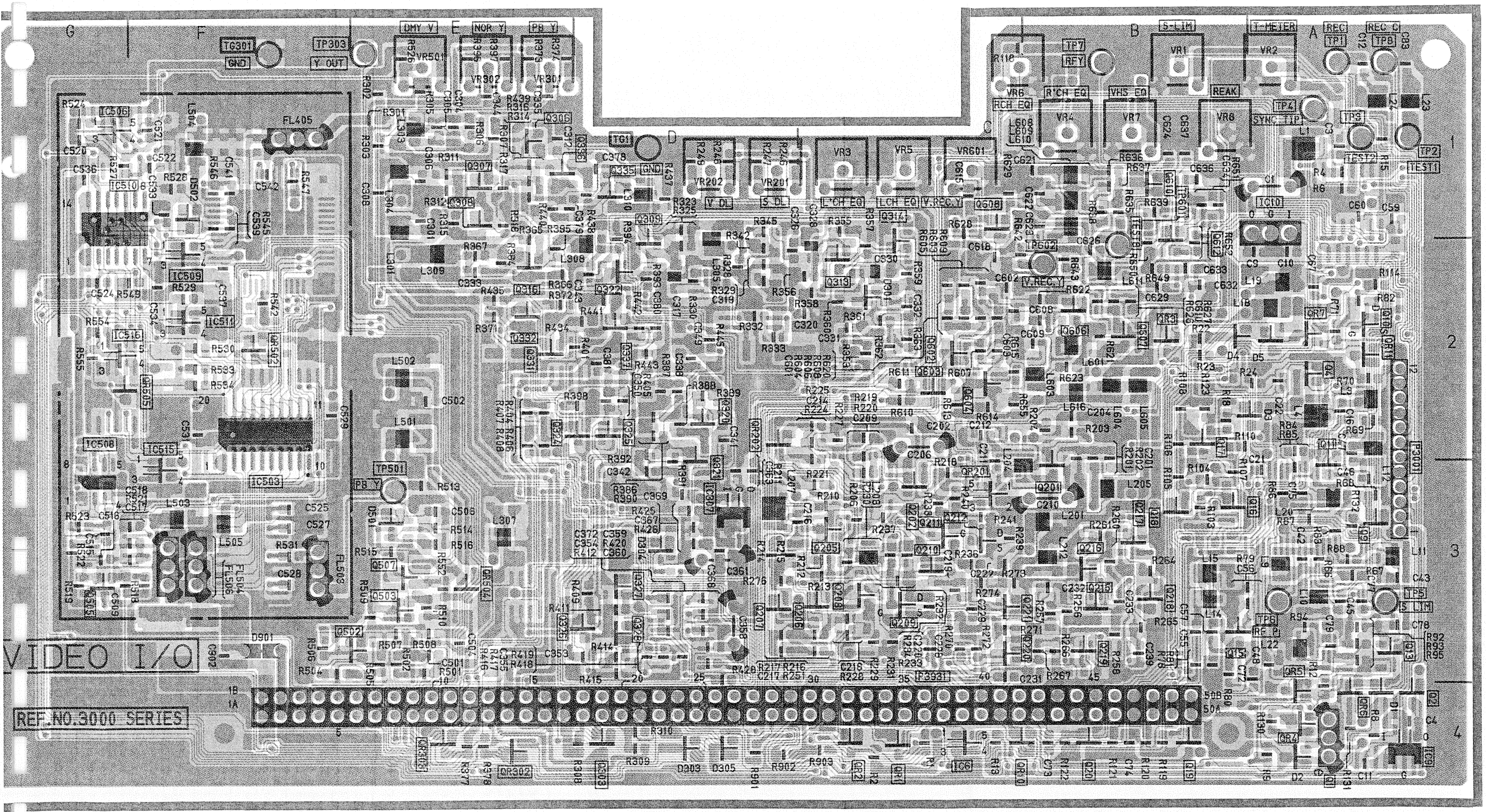
Adjustment

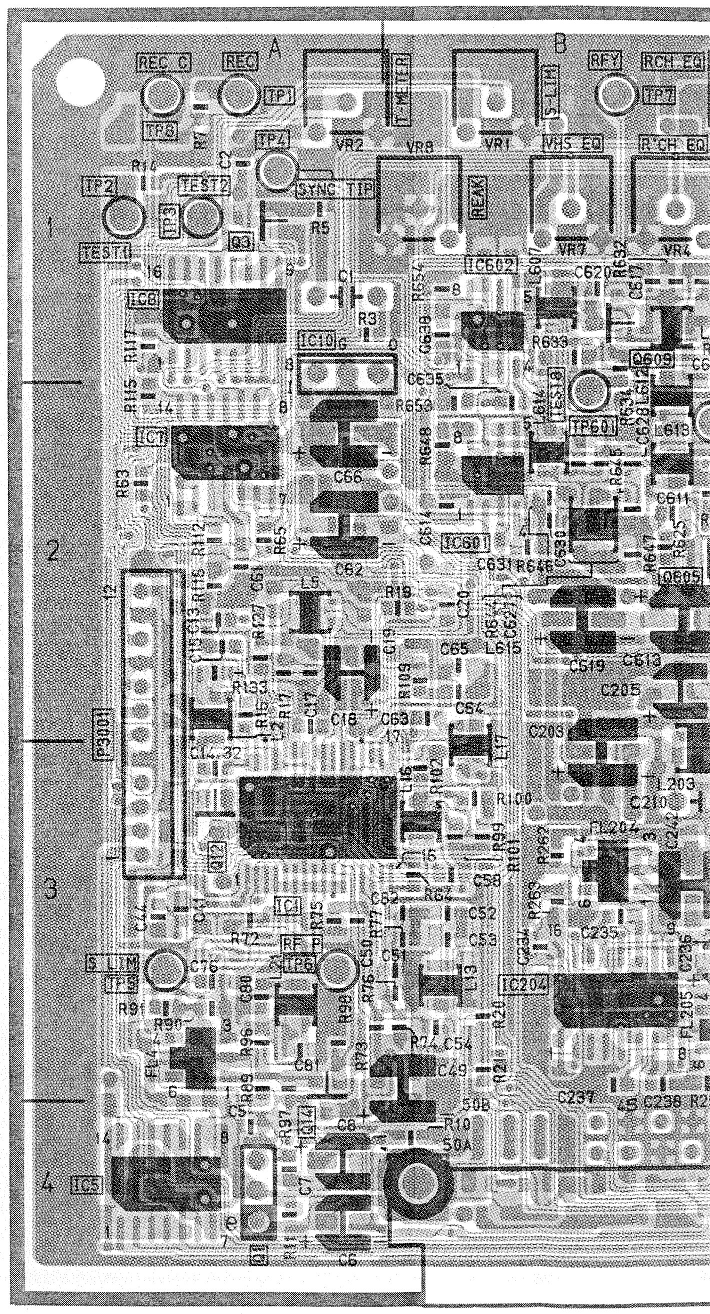
VR3001	A-1	C
VR3002	A-1	C
VR3003	A-1	C
VR3004	B-1	C
VR3005	B-1	C
VR3006	B-1	C
VR3007	B-1	C
VR3201	E-1	C
VR3202	D-1	C
VR3204	D-1	C
VR3205	D-1	C
VR3206	D-1	C
VR3501	E-1	C
VR3502	F-1	C
VR3504	F-1	C
VR3505	G-1	C
VR3506	G-1	C
VR3507	G-1	C
VR3508	C-1	C
VR3509	C-1	C
VR3510	C-1	C
VR3511	C-1	C
VC3201	E-1	F
VC3201	E-1	C

ADDRESS INFORMATION

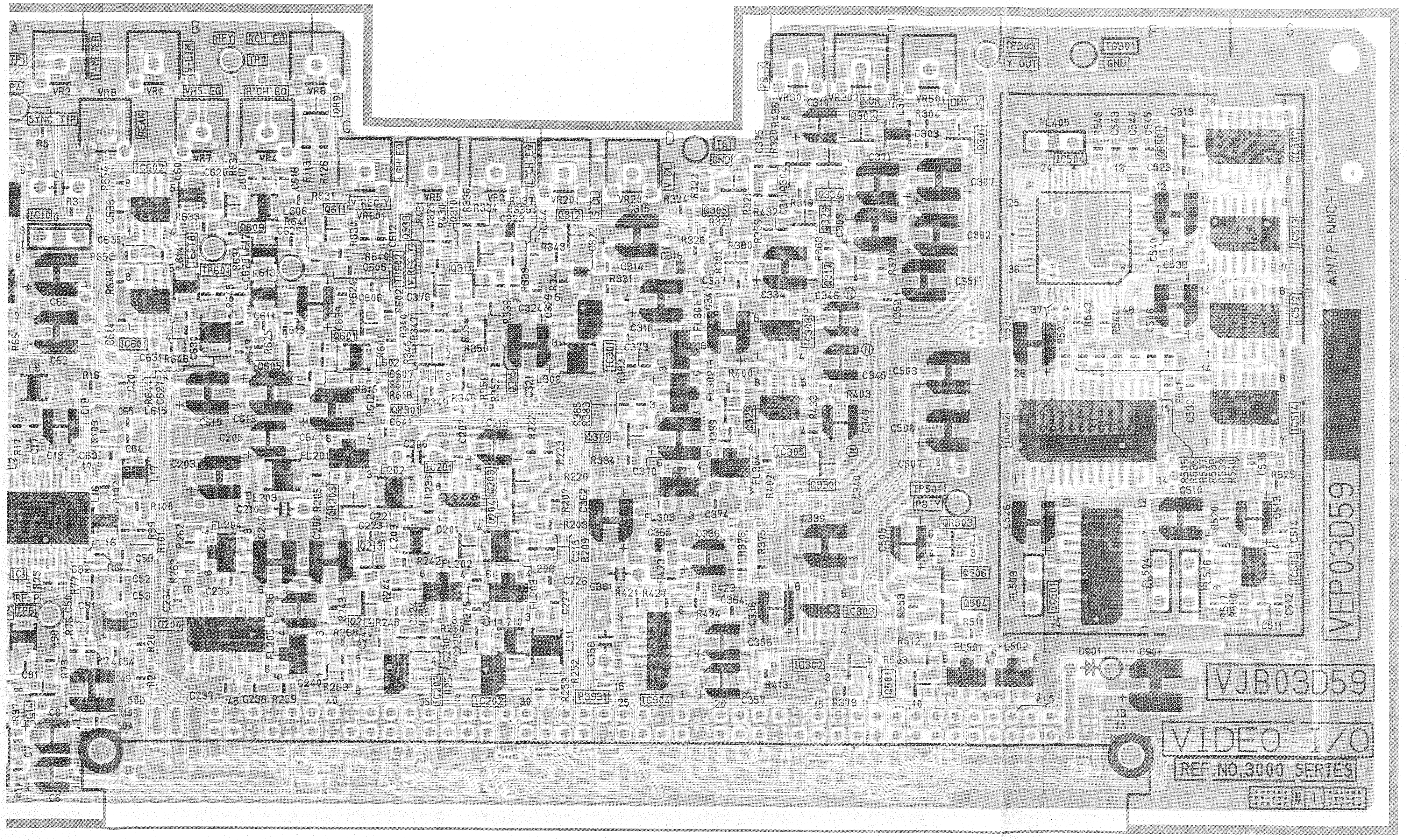
F : FOIL SIDE
C : COMPONENT SIDE

IDEO I/O C.B.A.


VIDEO I/O
REF.NO.3000 SERIES
TP303
Y OUT
TG301
GND
DMY V
NOR Y
PB Y
VR501
VR302
VR301
VR202
VR201
VR3
VR5
VR601
V DL
S DL
L'CH EQ
LCH EQ
V.REC.Y
S-LIM
T-METER
REC
REC C
RFY
R'CH EQ
VHS EQ
REAK
RCH EQ
SYNC TIP
VR1
VR2
VR4
VR6
VR7
TP1
TP2
TP4
TP5
TP6
TP7
TP8
TEST1
TEST2
IC10
P3001
IC503
FL405
1
2
3
4
A
B
C
D
E
F
G
1A
1B
50A
50B


A
B
1
2
3
4
REC C
REC
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TEST1
TEST2
SYNC TIP
VR1
VR2
VR4
VR6
VR7
VHS EQ
R'CH EQ
RCH EQ
RFY
REAK
S LIM
IC5
IC6
IC7
IC8
IC10
IC204
IC601
IC602
P3001
FL204

L SIDE)



(COMPONENT SIDE)

VIDEO I/O C.B.A.

Transistor		
Q3001	A-4	F
Q3001	A-4	C
Q3002	A-4	F
Q3003	A-1	C
Q3004	A-2	F
Q3009	A-3	F
Q3010	A-2	F
Q3011	A-2	F
Q3012	A-3	C
Q3013	A-3	F
Q3014	A-3	C
Q3015	B-3	F
Q3016	B-3	F
Q3017	B-2	F
Q3018	B-3	F
Q3019	B-4	F
Q3020	B-4	F
Q3201	B-3	F
Q3202	C-3	F
Q3203	C-3	C
Q3204	C-3	C
Q3205	C-3	F
Q3206	C-3	F
Q3207	D-3	F
Q3208	C-3	F
Q3209	C-3	F
Q3210	C-3	F
Q3211	C-3	F
Q3212	C-3	F
Q3213	C-3	C
Q3214	C-3	C
Q3215	B-3	F
Q3216	B-3	F
Q3217	B-3	F
Q3218	B-3	F
Q3219	B-3	F
Q3220	C-3	F
Q3221	C-3	F
Q3301	E-1	C
Q3302	E-1	C
Q3303	D-3	F
Q3305	D-1	C
Q3306	E-1	F
Q3307	E-1	F
Q3308	E-1	F
Q3309	D-2	F
Q3310	C-1	C
Q3311	C-2	C
Q3312	D-1	C
Q3313	C-2	F
Q3314	C-1	F
Q3315	C-2	C
Q3316	E-2	F
Q3317	E-2	C
Q3319	D-2	C
Q3320	D-2	F
Q3321	D-2	F
Q3322	D-2	F
Q3323	D-2	C
Q3324	E-2	F
Q3325	D-2	F
Q3326	D-3	F
Q3327	D-3	F
Q3328	D-3	F
Q3329	E-1	C
Q3330	E-2	C
Q3331	E-2	F
Q3332	E-2	F
Q3333	C-1	C
Q3334	E-1	C
Q3335	D-1	F
Q3336	E-1	F
Q3337	D-2	F
Q3501	E-3	C
Q3502	E-3	F
Q3503	E-3	F
Q3504	E-3	C
Q3505	G-3	F
Q3506	E-3	C
Q3507	E-3	F
Q3601	C-2	C
Q3602	C-2	F
Q3604	C-2	F
Q3605	B-2	C
Q3606	B-2	F
Q3607	B-2	F
Q3608	C-1	F
Q3609	B-1	C
Q3610	B-1	F
Q3611	C-1	C
Q3612	B-2	F

Transistor & Resistor		
QR3001	C-4	F
QR3002	C-4	F
QR3003	B-2	F
QR3004	A-4	F
QR3006	A-4	F
QR3009	C-1	C
QR3010	C-4	F
QR3011	A-2	F
QR3015	A-3	F
QR3017	A-2	F
QR3201	C-3	F
QR3202	D-2	F
QR3203	C-3	C
QR3301	C-2	C
QR3302	E-4	F
QR3303	E-4	F
QR3501	F-1	C
QR3502	F-2	F
QR3503	E-3	C
QR3504	E-3	F
QR3505	G-1	F

Integrated Circuit		
IC3001	A-3	C
IC3005	A-4	C
IC3006	C-4	F
IC3007	A-2	C
IC3008	A-1	C
IC3009	A-4	F
IC3010	A-1	F
IC3010	A-1	C
IC3201	C-3	C
IC3202	C-3	C
IC3203	C-3	C
IC3204	B-3	C
IC3301	D-2	C
IC3302	E-3	C
IC3303	E-3	C
IC3304	D-3	C
IC3305	E-2	C
IC3306	E-2	C
IC3307	D-3	F
IC3501	F-3	C
IC3502	F-2	C
IC3503	F-2	F
IC3504	F-1	C
IC3505	G-3	C
IC3506	G-1	F
IC3507	G-1	C
IC3508	G-2	F
IC3509	F-2	F
IC3510	G-1	F
IC3511	F-2	F
IC3512	G-2	C
IC3513	G-1	C
IC3514	G-2	C
IC3515	F-3	F
IC3516	G-1	F
IC3601	B-2	C
IC3602	B-1	C

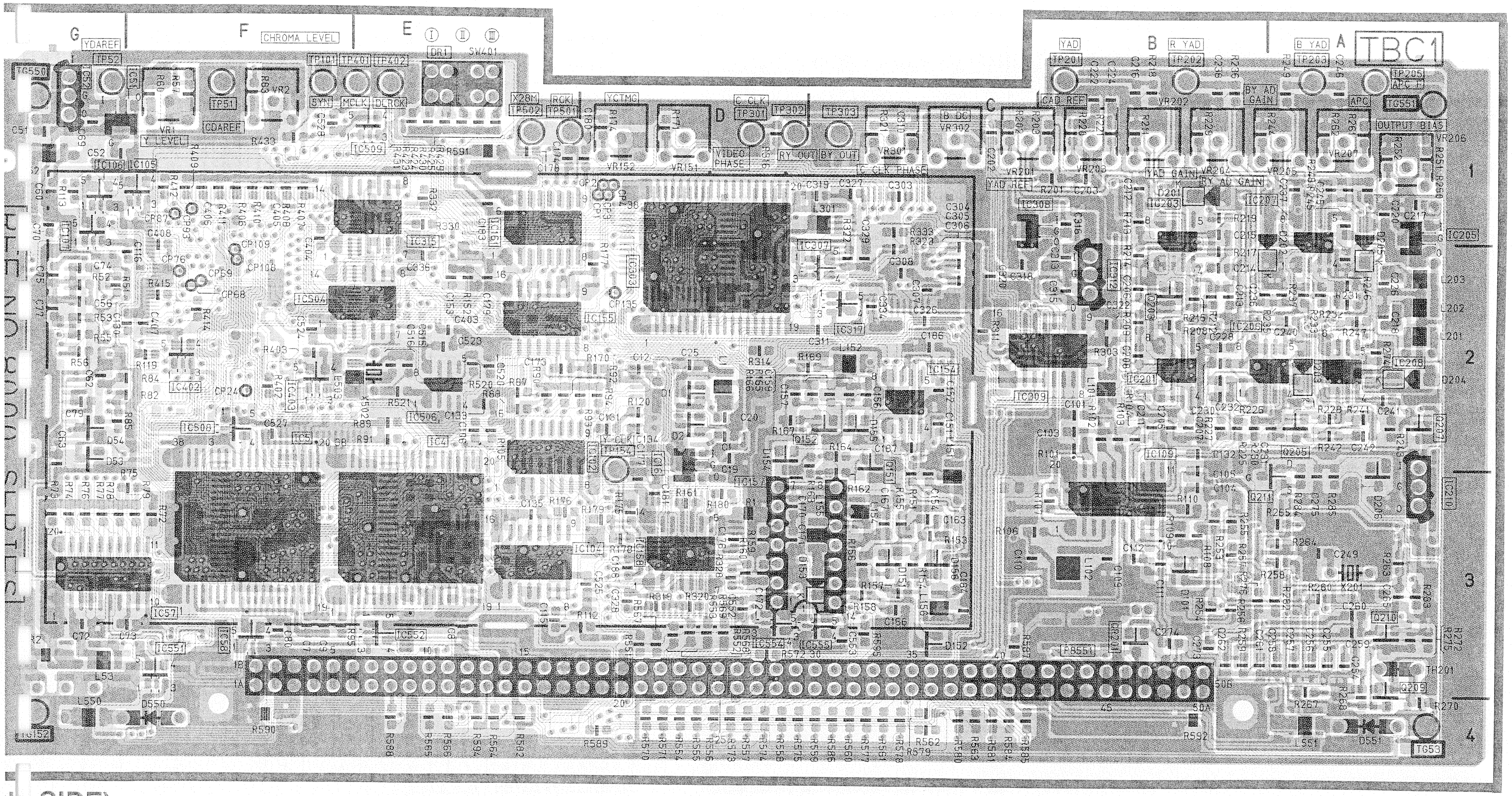
Connector		
P3001	A-2	F
P3301	A-3	C
P3931	C-4	F
P3931	D-3	C

Test Point		
TP3001	A-1	F
TP3001	A-1	C
TP3002	A-1	F
TP3002	A-1	C
TP3003	A-1	F
TP3003	A-1	C
TP3004	A-1	F
TP3004	A-1	C
TP3005	A-3	F
TP3005	A-3	C
TP3006	A-3	F
TP3006	A-3	C
TP3007	B-1	F
TP3007	B-1	C
TP3008	A-1	F
TP3008	A-1	C
TP3303	F-1	F
TP3501	E-3	F
TP3501	E-3	C
TP3601	B-1	F
TP3601	B-2	C
TP3602	B-2	F
TP3602	C-2	C
TG3001	D-1	F
TG3001	D-1	C
TG3301	F-1	F
TG3301	F-1	C
TG3303	F-1	C

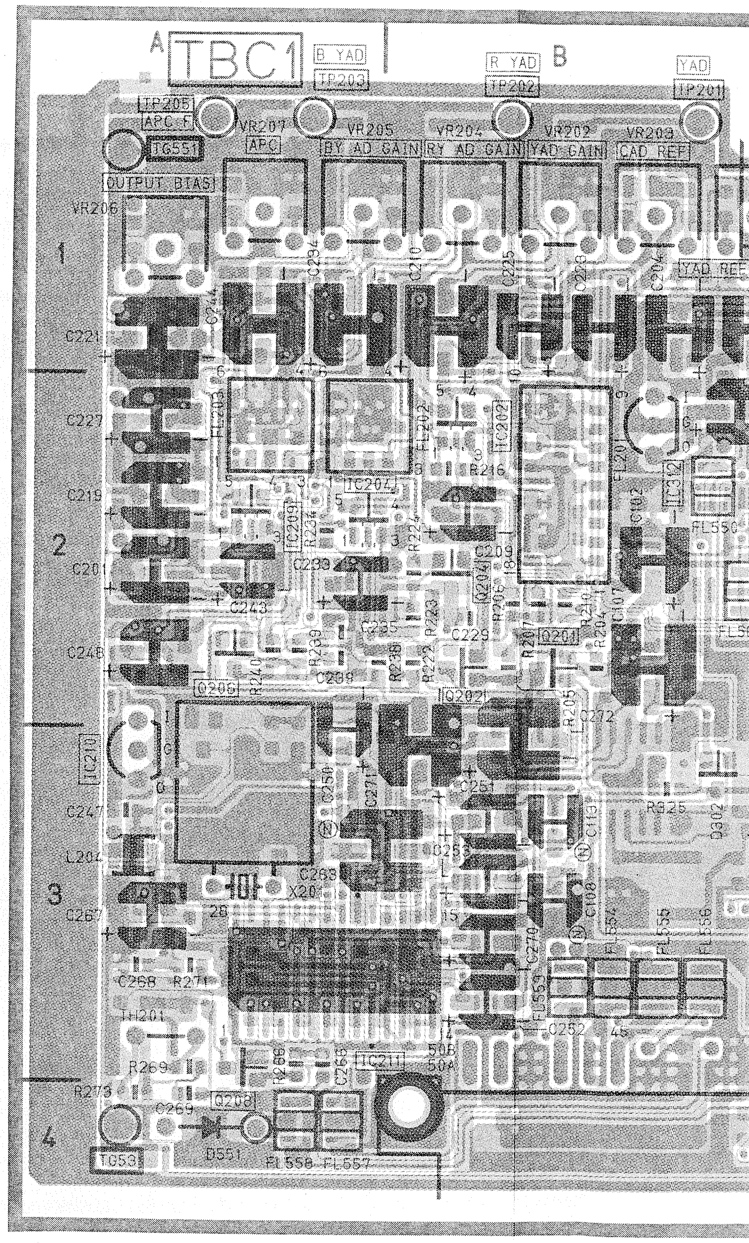
Adjustment		
VR3001	B-1	F
VR3001	B-1	C
VR3002	A-1	F
VR3002	A-1	C
VR3003	C-1	F
VR3003	C-1	C
VR3004	B-1	F
VR3004	B-1	C
VR3005	C-1	F
VR3005	C-1	C
VR3006	C-1	F
VR3006	C-1	C
VR3007	B-1	F
VR3007	B-1	C
VR3008	B-1	F
VR3008	B-1	C
VR3201	D-1	F
VR3201	D-1	C
VR3202	D-1	F
VR3202	D-1	C
VR3301	E-1	F
VR3301	E-1	C
VR3302	E-1	F
VR3302	E-1	C
VR3501	E-1	F
VR3501	E-1	C
VR3601	C-1	F
VR3601	C-1	C

ADDRESS INFORMATION
F : FOIL SIDE
C : COMPONENT SIDE

1 C.B.A.

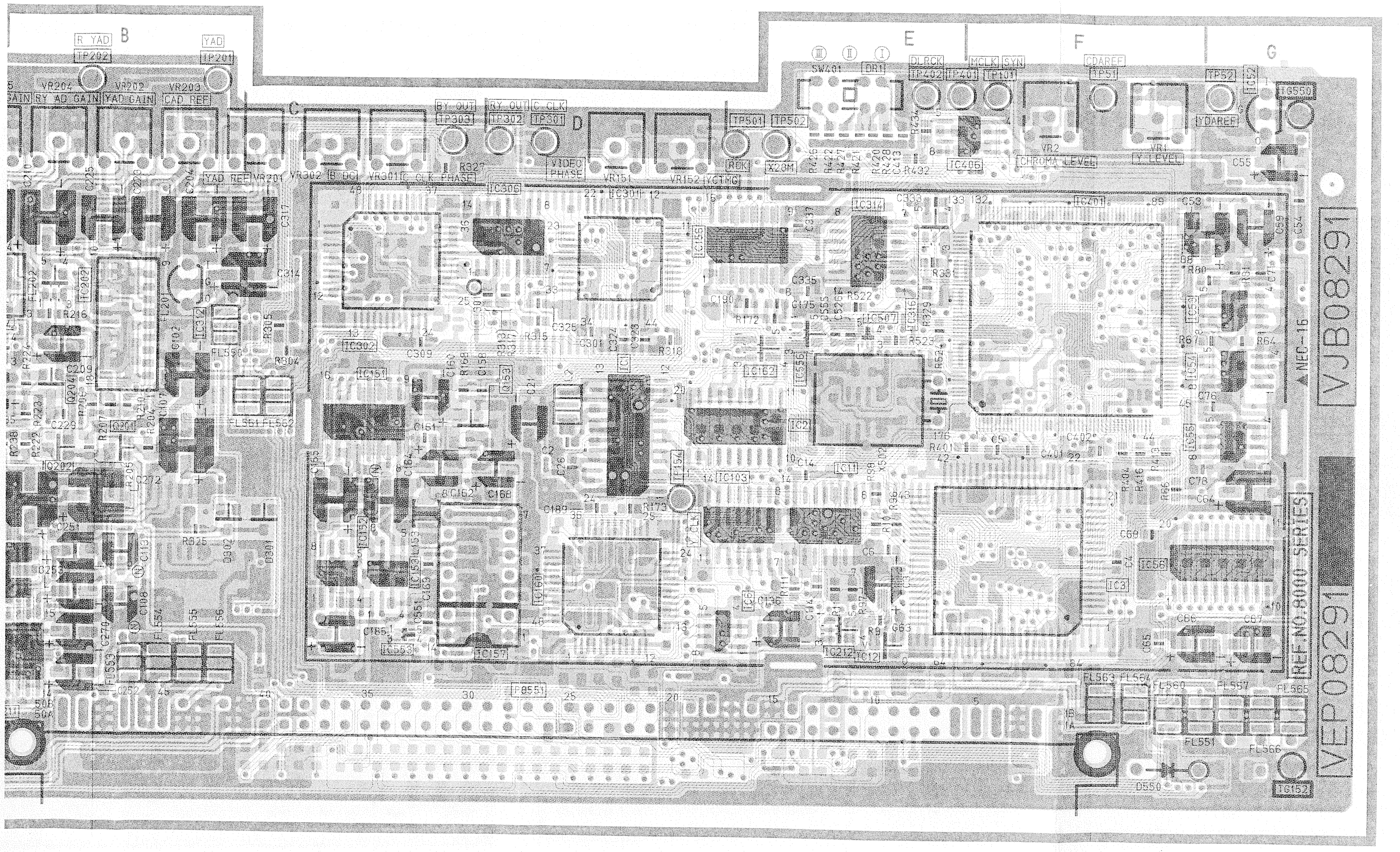


TBC1
G
F
E
D
C
B
A
YDAREF
CHROMA LEVEL
Y LEVEL
CDAREF
VIDEO PHASE
C CLK PHASE
RY OUT
BY OUT
YAD
R YAD
B YAD
CAD REF
BY AD GAIN
APC
OUTPUT BIAS
YAD GAIN
RY AD GAIN
YAD REF
SW401
1
2
3
4



TBC1
A
B
B YAD
R YAD
YAD
APC F
OUTPUT BIAS
BY AD GAIN
RY AD GAIN
YAD GAIN
CAD REF
1
2
3
4

L SIDE)


R YAD
B
TP202
YAD
TP201
VR204
RY AD GAIN
VR202
YAD GAIN
VR203
CAD REF
C
BY OUT
TP303
RY OUT
TP302
C CLK
TP301
D
TP501
TP502
E
DLRCK
TP402
MCLK
TP401
SYN
TP101
F
CDAREF
TP51
G
TP52
TG550
SW401
DR1
YAD REF
VR201
VR302
B DC
VR301
C CLK PHASE
VIDEO PHASE
VR151
VR152
YCTMG
R0K
X28M
IC406
VR2
CHROMA LEVEL
VR1
Y LEVEL
YDAREF
IC306
IC301
IC314
IC401
IC302
IC151
IC162
IC556
IC507
IC2
IC154
IC103
IC11
IC152
IC153
IC157
IC160
IC3
IC553
IC212
IC12
IC55
IC56
IC552
IC152
P8551
FL551
FL561
FL562
FL563
FL564
FL565
FL566
FL567
FL560
D550
VJB08291
NEC-16
REF NO.8000 SERIES
VEP08291

(COMPONENT SIDE)

TBC 1 C.B.A.

Transistor

Q8151	C-2	F
Q8152	D-2	F
Q8153	D-2	C
Q8201	B-2	C
Q8202	B-2	C
Q8203	B-2	F
Q8204	B-2	C
Q8206	A-2	C
Q8207	A-2	F
Q8208	A-4	C
Q8209	A-3	F
Q8210	A-3	F
Q8211	B-3	F

Transistor & Resistor

QR8201	B-3	F

Integrated Circuit

IC8001	D-2	C
IC8002	E-2	C
IC8003	F-2	C
IC8004	E-2	F
IC8005	F-2	F
IC8006	E-3	C
IC8011	E-2	C
IC8012	E-3	C
IC8016	D-2	F
IC8051	F-1	F
IC8052	G-1	F
IC8052	G-1	C
IC8053	F-2	C
IC8054	F-2	C
IC8055	F-2	C
IC8056	F-2	C
IC8057	F-3	F
IC8058	F-3	F
IC8102	D-2	F
IC8103	D-2	C
IC8104	E-2	F
IC8105	F-1	F
IC8106	G-1	F
IC8107	G-1	F
IC8109	B-2	F
IC8151	C-2	C
IC8152	C-3	C
IC8153	D-3	F
IC8153	C-3	C
IC8154	C-2	F
IC8155	D-2	F
IC8156	D-1	C
IC8157	D-3	F
IC8157	D-3	C
IC8160	D-3	C
IC8161	E-1	F
IC8162	E-2	C
IC8201	B-2	F
IC8202	B-2	C
IC8203	B-1	F
IC8204	A-2	C
IC8205	A-1	F
IC8206	B-2	F
IC8207	B-1	F
IC8208	A-2	F
IC8209	A-2	C
IC8210	A-3	F
IC8210	A-3	C
IC8211	A-3	C
IC8212	E-3	C
IC8301	D-1	C
IC8302	C-2	C
IC8303	D-2	F
IC8306	D-1	C
IC8307	D-2	F
IC8308	C-1	F
IC8309	C-2	F
IC8312	B-2	F
IC8312	B-2	C
IC8314	E-1	C
IC8315	E-2	F
IC8316	E-2	C
IC8317	C-2	F
IC8401	F-1	C
IC8402	F-2	F
IC8403	F-2	F
IC8406	E-1	C
IC8504	F-2	F
IC8506	E-2	F
IC8507	E-2	C
IC8508	F-2	F
IC8509	E-1	F
IC8551	F-3	F
IC8552	E-2	F
IC8553	C-3	C
IC8554	D-3	F
IC8555	D-3	F
IC8556	E-2	C

Connector

P8551	B-3	F
P8551	D-3	C

Test Point

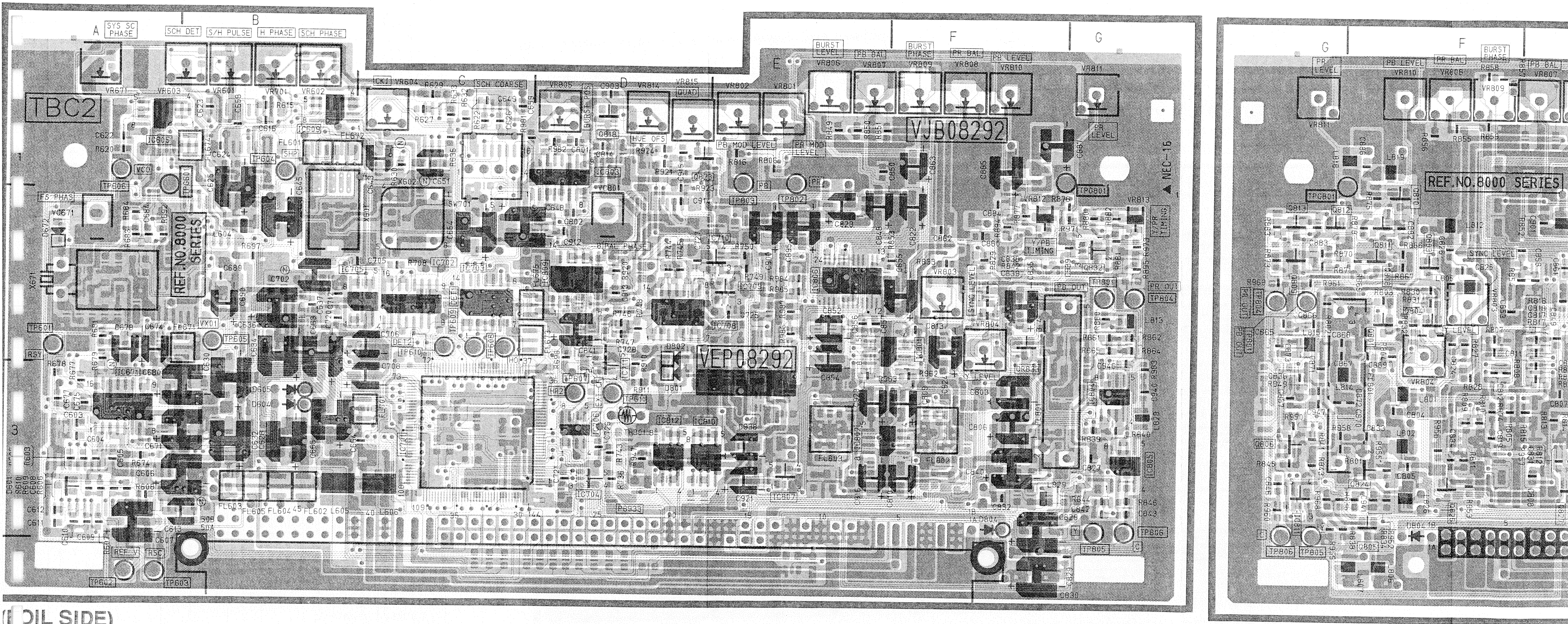
TP8051	F-1	F
TP8051	F-1	C
TP8052	G-1	F
TP8052	G-1	C
TP8101	F-1	F
TP8101	F-1	C
TP8154	D-2	F
TP8154	D-2	C
TP8201	B-1	F
TP8201	B-1	C
TP8202	B-1	F
TP8202	B-1	C
TP8203	A-1	F
TP8203	A-1	C
TP8205	A-1	F
TP8205	A-1	C
TP8301	D-1	F
TP8301	D-1	C
TP8302	D-1	F
TP8302	D-1	C
TP8303	C-1	F
TP8303	D-1	C
TP8401	F-1	F
TP8401	E-1	C
TP8402	E-1	F
TP8402	E-1	C
TP8501	E-1	F
TP8501	E-1	C
TP8502	E-1	F
TP8502	E-1	C
TG8053	A-4	F
TG8053	A-4	C
TG8152	G-4	F
TG8152	G-4	C
TG8550	G-1	F
TG8550	G-1	C
TG8551	A-1	F
TG8551	A-1	C

Adjustment

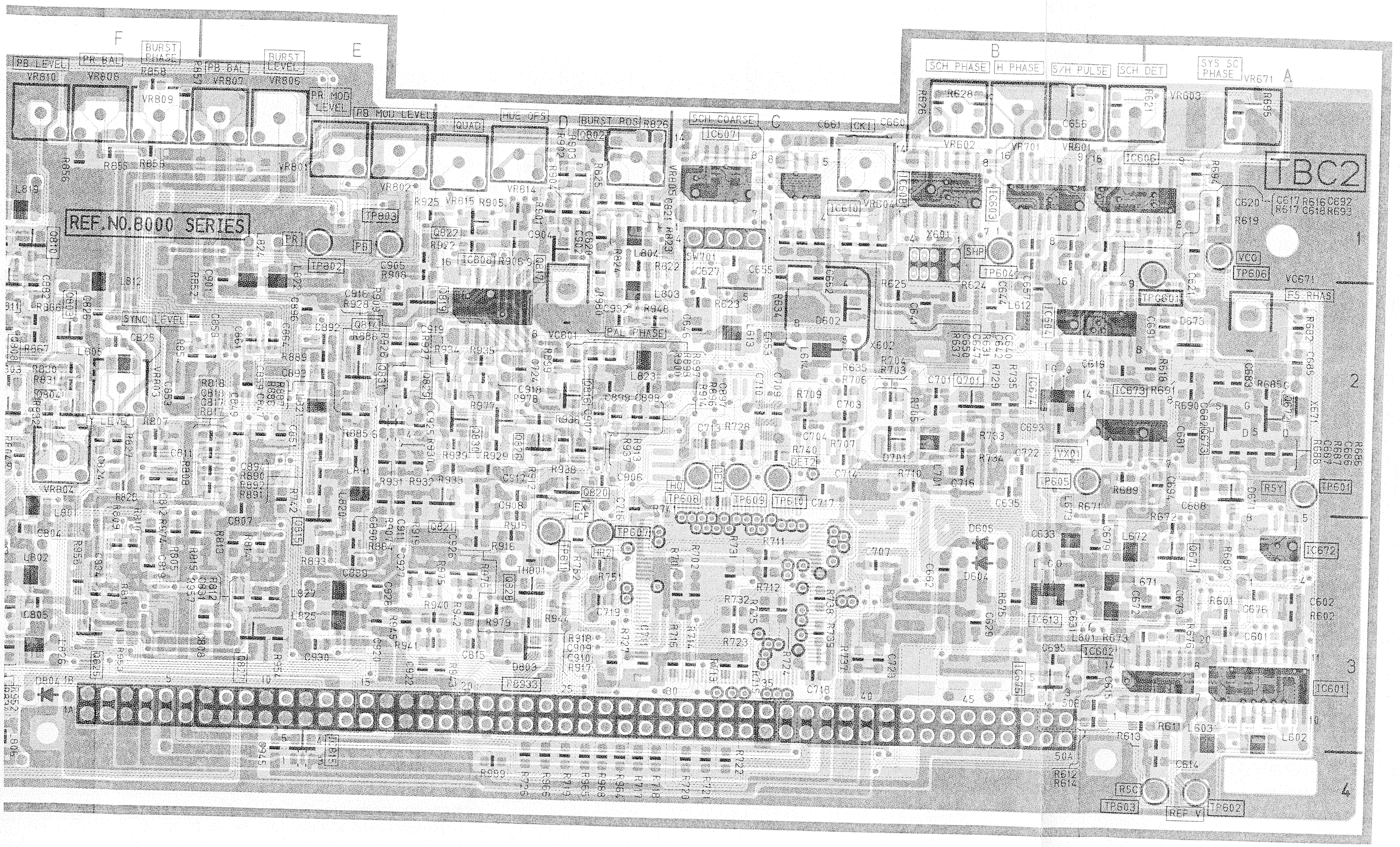
VR8001	F-1	F
VR8001	F-1	C
VR8002	F-1	F
VR8002	F-1	C
VR8151	D-1	F
VR8151	D-1	C
VR8152	D-1	F
VR8152	D-1	C
VR8201	C-1	F
VR8201	C-1	C
VR8202	B-1	F
VR8202	B-1	C
VR8203	B-1	F
VR8203	B-1	C
VR8204	B-1	F
VR8204	B-1	C
VR8205	A-1	F
VR8205	A-1	C
VR8206	A-1	F
VR8206	A-1	C
VR8207	A-1	F
VR8207	A-1	F
VR8207	A-1	C
VR8301	C-1	F
VR8301	C-1	C
VR8302	C-1	F
VR8302	C-1	C

ADDRESS INFORMATION F : FOIL SIDE
C : COMPONENT SIDE

TBC 2 C.B.A.


TBC2
A
B
C
D
E
F
G
SYS SC PHASE
SCH DET
S/H PULSE
H PHASE
SCH PHASE
CK1
SCH COARSE
BURST POS
HUE OFS
QUAD
PB MOD LEVEL
PR MOD LEVEL
BURST LEVEL
PB BAL
BURST PHASE
PR BAL
PB LEVEL
PR LEVEL
Y/PR TIMING
Y/PB TIMING
SYNC LEVEL
Y LEVEL
PB OUT
PR OUT
PAL PHASE
FS PHAS
REF V
RSC
VJB08292
VEP08292
REF.NO.8000 SERIES
NEC-16

(FOIL SIDE)


PB LEVEL
VR810
PR BAL
VR808
BURST PHASE
R858
VR809
PB BAL
VR807
BURST LEVEL
VR806
PR MOD LEVEL
PB MOD LEVEL
VR802
QUAD
HUE OFS
VR814
BURST POS
5CH COARSE
5CH PHASE
H PHASE
S/H PULSE
5CH DET
SYS SC PHASE
VR671
VR602
VR701
VR601
VR603
TBC2
REF.NO.8000 SERIES
SYNC LEVEL
PAL PHASE
FS. PHAS
VCO
TP606
TP603
TP602
REF V
R5C
F
E
C
B
A
1
2
3
4

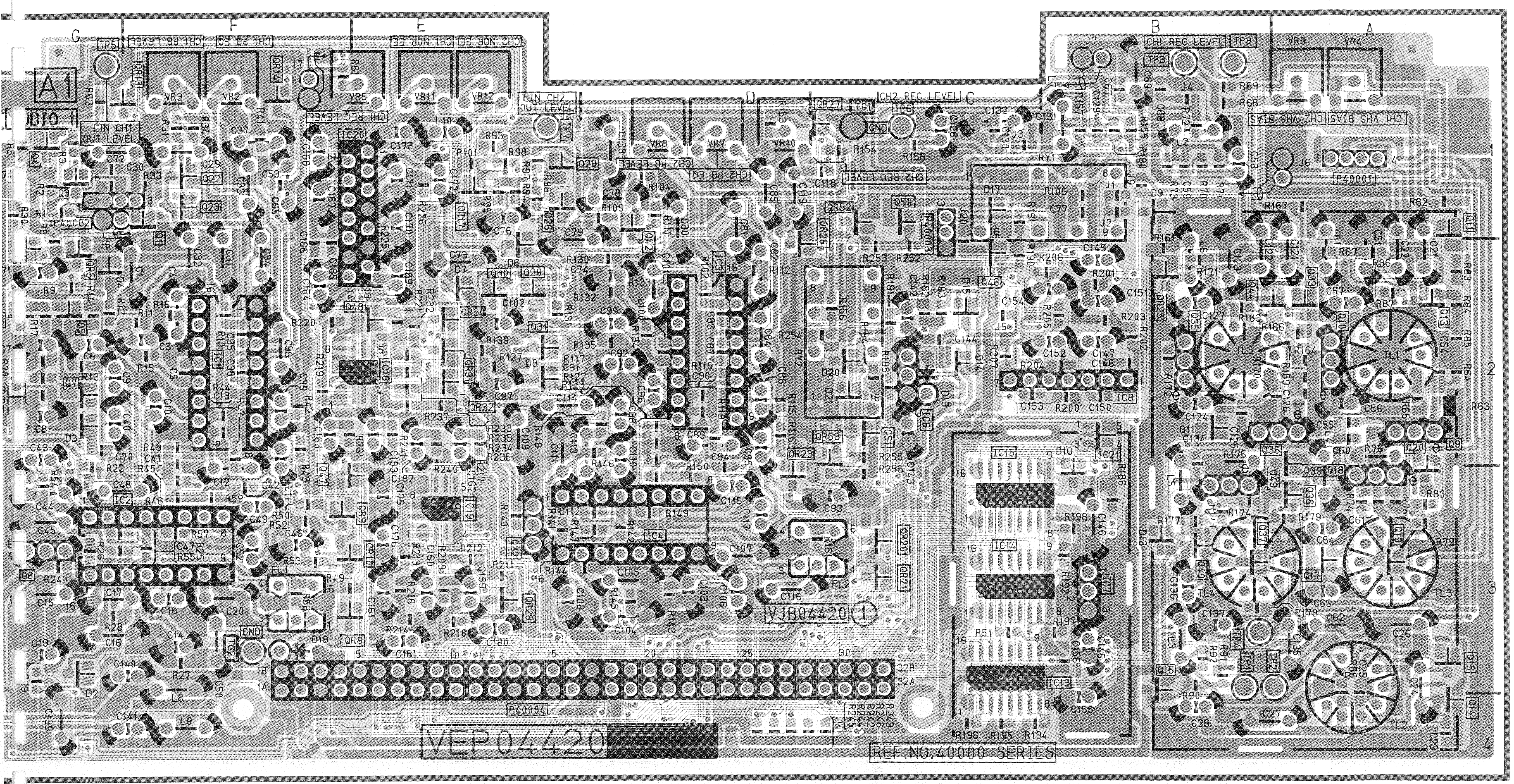
(COMPONENT SIDE)

TBC 2 C.B.A.

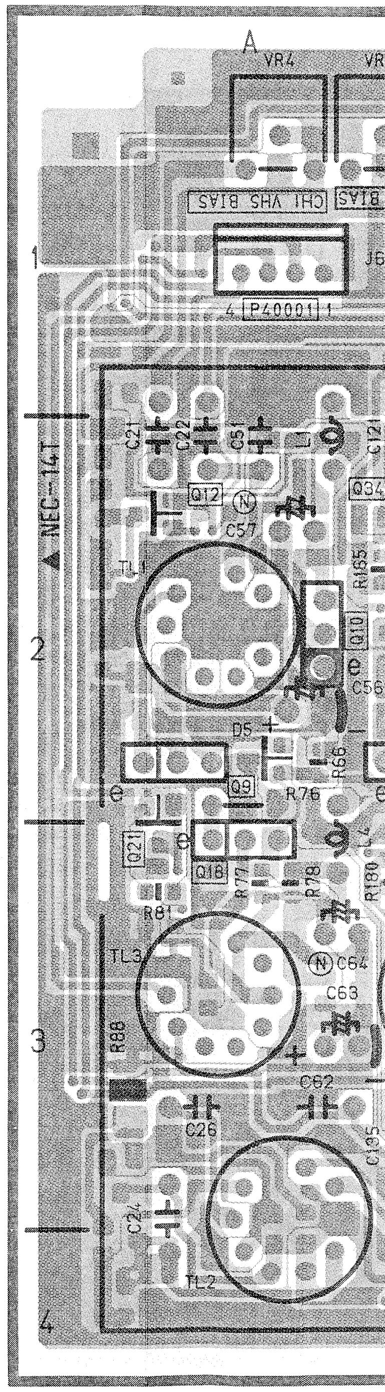
Transistor		
Q8671	A-3	F
Q8672	A-2	F
Q8673	A-2	F
Q8701	B-2	F
Q8801	F-2	F
Q8802	D-1	F
Q8803	F-2	F
Q8804	F-2	F
Q8805	F-3	F
Q8806	G-3	F
Q8808	F-2	F
Q8809	G-2	F
Q8810	F-1	F
Q8811	F-2	F
Q8812	G-2	F
Q8813	G-2	F
Q8814	E-2	F
Q8815	E-3	F
Q8816	D-2	F
Q8817	D-1	F
Q8818	D-1	C
Q8819	E-2	F
Q8820	D-2	F
Q8821	D-3	F
Q8822	D-1	F
Q8823	D-1	C
Q8824	F-3	F
Q8825	F-3	F
Q8826	D-2	F
Q8827	E-3	F
Q8828	D-3	F
Q8829	D-2	F
Q8830	D-2	F
Q8831	E-2	F
Q8832	G-2	C
Transistor & Resistor		
QR8833	F-2	C
Integrated Circuit		
IC8601	A-3	F
IC8602	B-3	F
IC8604	B-2	F
IC8605	A-1	C
IC8606	B-1	F
IC8607	C-1	F
IC8608	B-1	F
IC8609	B-1	C
IC8610	C-1	F
IC8613	B-3	F
IC8671	A-3	C
IC8672	A-3	F
IC8673	B-2	F
IC8674	B-2	F
IC8675	B-3	F
IC8701	C-3	C
IC8702	C-2	C
IC8703	C-2	C
IC8704	D-3	C
IC8705	B-2	C
IC8706	D-3	C
IC8708	E-2	C
IC8709	E-2	C
IC8710	E-2	C
IC8711	D-3	C
IC8801	F-2	C
IC8802	E-3	C
IC8803	D-1	C
IC8804	G-3	C
IC8805	G-3	C
IC8806	E-2	C
IC8807	E-3	C
IC8808	D-2	F
IC8809	D-2	C
IC8810	D-3	C
IC8811	G-3	F
IC8812	D-3	C
IC8815	E-4	F
IC8603	B-1	F
Connector		
P8933	D-3	C
P8933	D-3	F
Test Point		
TP8601	A-2	C
TP8601	A-2	F
TP8602	A-4	C
TP8602	A-3	F
TP8603	A-4	C
TP8603	A-3	F
TP8604	B-1	C
TP8604	B-1	F
TP8605	B-2	C
TP8605	B-2	F
TP8606	A-1	C
TP8606	A-1	F
TP8607	D-3	C
TP8607	D-3	F
TP8608	C-2	C
TP8608	C-2	F
TP8609	C-2	C
TP8609	C-2	F
TP8610	C-2	C
TP8610	C-2	F
TP8611	D-3	C
TP8611	D-3	F
TP8801	G-2	C
TP8801	G-2	F
TP8802	E-1	C
TP8802	E-1	F
TP8803	E-1	C
TP8803	E-1	F
TP8804	G-2	C
TP8804	G-2	F
TP8805	G-3	C
TP8805	G-3	F
TP8806	G-3	C
TP8806	G-3	F
TPG8601	A-1	C
TPG8601	A-1	F
TPG8801	G-1	C
TPG8801	G-1	F
Adjustment		
VR8601	B-1	C
VR8601	B-1	F
VR8602	B-1	C
VR8602	B-1	F
VR8603	B-1	C
VR8603	B-1	F
VR8604	C-1	C
VR8604	C-1	F
VR8671	A-1	C
VR8671	A-1	F
VR8701	B-1	C
VR8701	B-1	F
VR8801	E-1	C
VR8801	E-1	F
VR8802	E-1	C
VR8802	E-1	F
VR8803	F-2	C
VR8803	F-2	F
VR8804	F-2	C
VR8804	F-2	F
VR8805	D-1	C
VR8805	D-1	F
VR8806	E-1	C
VR8806	E-1	F
VR8807	E-1	C
VR8807	E-1	F
VR8808	F-1	C
VR8808	F-1	F
VR8809	F-1	C
VR8809	F-1	F
VR8810	G-1	C
VR8810	F-1	C
VR8810	F-1	F
VR8811	G-1	F
VR8812	F-2	C
VR8813	G-2	C
VR8814	D-1	C
VR8814	D-1	F
VR8815	D-1	C
VR8815	D-1	F
VC8671	A-2	C
VC8671	A-2	F
VC8801	D-2	C

ADDRESS INFORMATION F : FOIL SIDE
C : COMPONENT SIDE

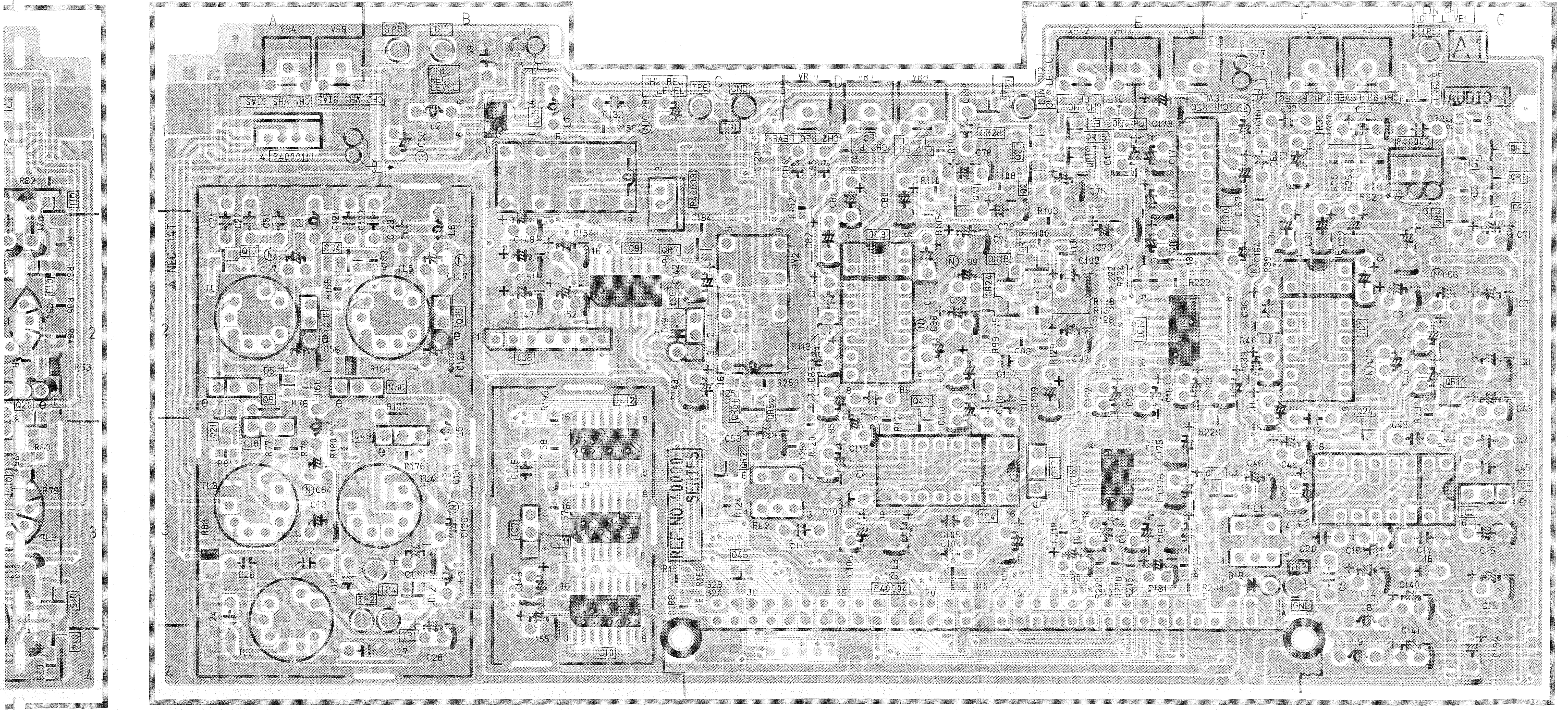
D'O 1 C.B.A.


A1
AUDIO 1
CH1 PB LEVEL
CH1 PB EQ
CH1 NOR EE
CH2 NOR EE
CH1 REC LEVEL
CH2 REC LEVEL
CH2 PB LEVEL
CH2 PB EQ
LIN CH1 OUT LEVEL
LIN CH2 OUT LEVEL
CH1 VHS BIAS
CH2 VHS BIAS
P40001
P40002
P40003
P40004
VJB04420
VEP04420
REF.NO.40000 SERIES

L SIDE)


NEC-14T
CH1 VHS BIAS
P40001

(COMPONENT SIDE


A
B
C
D
E
F
G
VR4
VR9
TP8
TP3
J7
CH1 VHS BIAS
CH2 VHS BIAS
CH1 REC LEVEL
C69
IC5
L2
J6
P40001
RY1
CH2 REC LEVEL
TP6
GND
C132
C128
R155
TG1
VR10
VR7
VR6
CH2 REC LEVEL
CH2 PB EQ
CH2 PB LEVEL
TP7
LIN CH2 OUT LEVEL
CH2 NOR EE
CH1 NOR EE
VR12
VR11
VR5
J7
CH1 REC LEVEL
CH1 PB EQ
CH1 PB LEVEL
VR2
VR3
LIN CH1 OUT LEVEL
TP5
A1
AUDIO 1
P40002
P40003
NEC-14T
TL1
TL5
TL3
TL4
TL2
TP4
TP2
TP1
IC8
IC9
IC6
IC12
IC7
IC11
IC10
RY2
IC3
IC4
IC15
IC17
IC20
IC1
IC2
FL1
FL2
TG2
GND
REF.NO.40000 SERIES
P40004
30
25
20
15
1
2
3
4

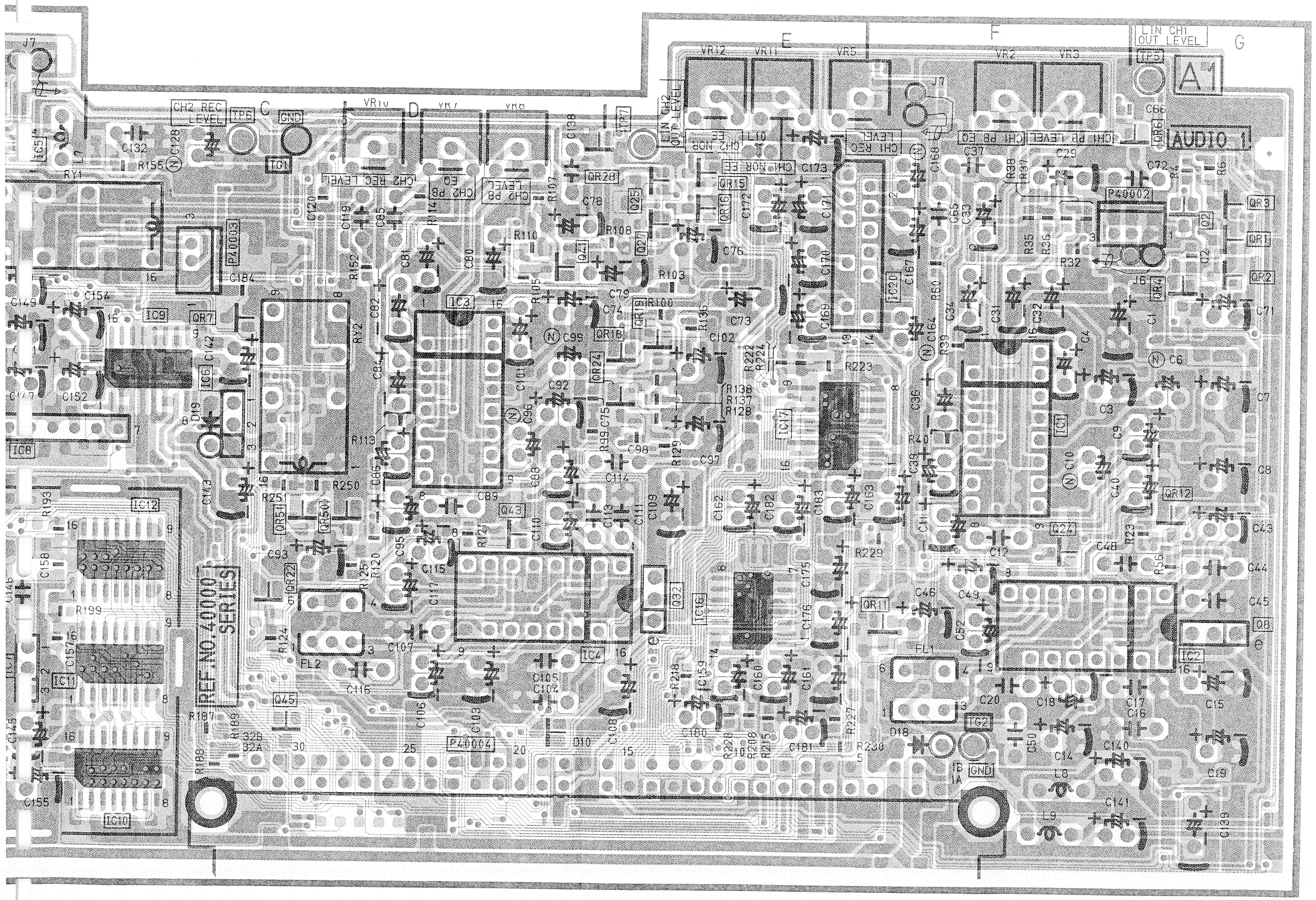
(COMPONENT SIDE)

Tra
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4
Q4

ADDRE

(F) ......

(C) ......


C
D
E
F
G
LIN CH1 OUT LEVEL
TP5
A1
AUDIO 1
CH2 REC LEVEL
GND
CH1 PB LEVEL
CH1 PB EQ
CH1 REC LEVEL
CH1 NOR EE
CH2 NOR EE
LIN CH2 OUT LEVEL
CH2 REC LEVEL
CH2 PB EQ
CH2 PB LEVEL
VR12
VR11
VR5
VR2
VR3
VR10
VR7
VR8
P40001
P40002
P40003
P40004
IC1
IC2
IC3
IC4
IC6
IC7
IC8
IC9
IC10
IC11
IC12
IC16
IC17
IC20
RY1
RY2
FL1
FL2
REF. NO. 40000 SERIES
TG1
TG2

AUDIO 1 C.B.A.

Transistor

Q40001	F-1 (F)
Q40002	G-1 (C)
Q40003	G-1 (F)
Q40004	G-1 (F)
Q40005	G-2 (F)
Q40006	G-2 (F)
Q40007	G-2 (F)
Q40008	G-3 (F),(C)
Q40009	A-2 (F),(C)
Q40010	A-2 (F),(C)
Q40011	A-1 (F)
Q40012	A-2 (C)
Q40013	A-2 (F)
Q40014	A-4 (F)
Q40015	A-3 (F)
Q40016	B-3 (F)
Q40017	A-3 (F)
Q40018	A-3 (F),(C)
Q40019	A-3 (F)
Q40020	A-2 (F)
Q40021	A-2 (C)
Q40022	F-1 (F)
Q40023	F-1 (F)
Q40024	F-3 (C)
Q40025	E-1 (C)
Q40026	E-1 (F)
Q40027	E-1 (C)
Q40028	E-1 (F)
Q40029	E-2 (F)
Q40030	E-2 (F)
Q40031	E-2 (F)
Q40032	E-3 (F),(C)
Q40033	A-2 (F)
Q40034	A-2 (C)
Q40035	B-2 (F),(C)
Q40036	A-2 (F),(C)
Q40037	B-3 (F)
Q40038	A-3 (F)
Q40039	A-3 (F)
Q40040	B-3 (F)
Q40041	D-1 (C)
Q40042	D-1 (F)
Q40043	D-3 (C)
Q40044	B-2 (F)
Q40045	C-3 (C)
Q40046	C-2 (F)
Q40047	F-3 (F)
Q40048	E-2 (F)
Q40049	B-3 (F),(C)
Q40050	C-1 (F)
Q40051	C-2 (F)

Transistor & Resistor

QR40001	G-1 (C)
QR40002	G-1 (C)
QR40003	G-1 (C)
QR40004	G-2 (C)
QR40005	G-2 (F)
QR40006	G-1 (C)
QR40007	C-2 (C)
QR40008	F-3 (F)
QR40009	F-3 (F)
QR40010	F-3 (F)
QR40011	F-3 (C)
QR40012	G-2 (C)
QR40013	F-1 (F)
QR40014	F-1 (F)
QR40015	E-1 (C)
QR40016	E-1 (C)
QR40017	E-1 (F)
QR40018	E-2 (C)
QR40019	E-2 (C)
QR40020	C-3 (F)
QR40021	C-3 (F)
QR40022	C-3 (C)
QR40023	D-3 (F)
QR40024	E-2 (C)
QR40025	B-2 (F)
QR40026	D-2 (F)
QR40027	C-1 (F)
QR40028	D-1 (C)
QR40029	E-3 (F)
QR40030	E-2 (F)
QR40031	E-2 (F)
QR40032	E-2 (F)
QR40050	D-2 (C)
QR40051	C-2 (C)
QR40052	C-1 (F)
QR40053	C-2 (F)

Integrated Circuit

IC40001	F-2 (F),(C)
IC40002	F-3 (F),(C)
IC40003	D-2 (F),(C)
IC40004	D-3 (F),(C)
IC40005	B-1 (C)
IC40006	C-2 (F),(C)
IC40007	B-3 (F),(C)
IC40008	B-2 (F),(C)
IC40009	C-2 (C)
IC40010	C-3 (C)
IC40011	C-3 (C)
IC40012	C-3 (C)
IC40013	C-3 (F)
IC40014	C-3 (F)
IC40015	C-3 (F)
IC40016	E-3 (C)
IC40017	E-2 (C)
IC40018	E-2 (F)
IC40019	E-3 (F)
IC40020	E-1 (F),(C)
IC40021	B-2 (F)

Test Point

TP40001	B-3 (F),(C)
TP40002	B-3 (F),(C)
TP40003	B-1 (F),(C)
TP40004	B-3 (F),(C)
TP40005	G-1 (F),(C)
TP40006	C-1 (F),(C)
TP40007	E-1 (F),(C)
TP40008	B-1 (F),(C)
TPG40001	C-1 (F),(C)
TPG40002	F-3 (F),(C)

Test Land

TL40001	A-2 (F),(C)
TL40002	A-3 (F),(C)
TL40003	A-3 (F),(C)
TL40004	B-3 (F),(C)
TL40005	B-2 (F),(C)

Adjustment

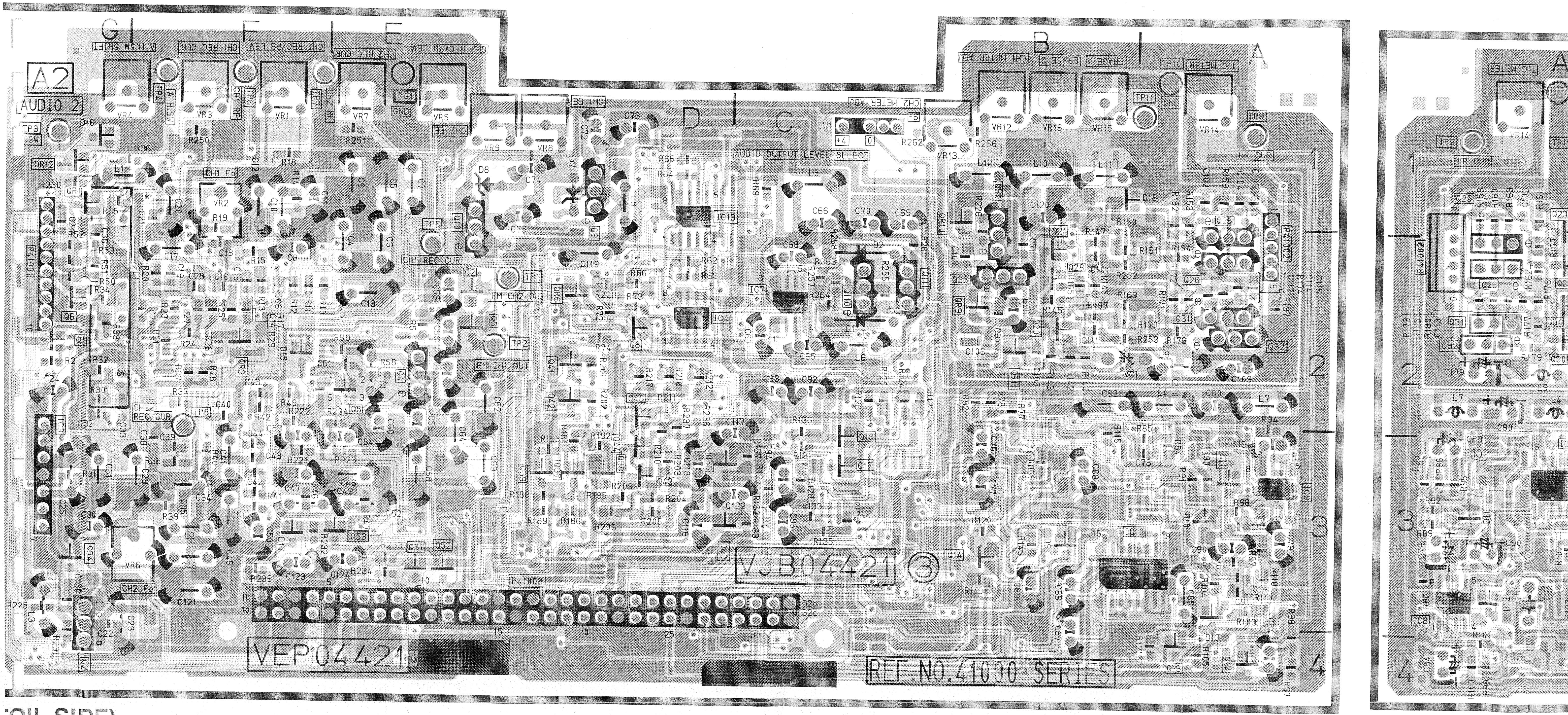
VR40002	F-1 (F),(C)
VR40003	F-1 (F),(C)
VR40004	A-1 (F),(C)
VR40005	E-1 (F),(C)
VR40007	D-1 (F),(C)
VR40008	D-1 (F),(C)
VR40009	A-1 (F),(C)
VR40010	D-1 (F),(C)
VR40011	E-1 (F),(C)
VR40012	E-1 (F),(C)

Connector

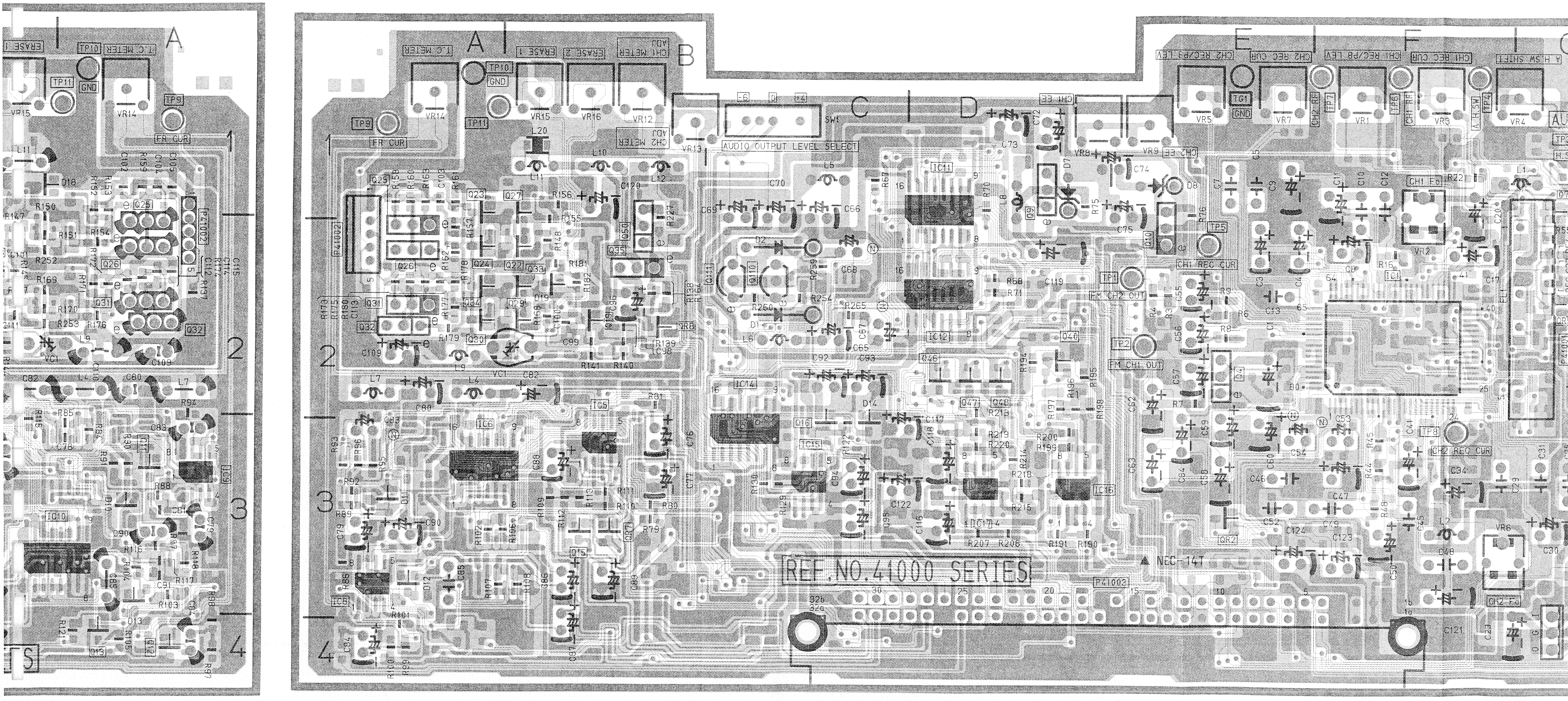
P40001	A-1 (F),(C)
P40002	G-1 (F),(C)
P40003	C-1 (F),(C)
P40004	E-3 (F),(C)

ADDRESS INFORMATION
(F) .... FOIL SIDE
(C) .... COMPONENT SIDE

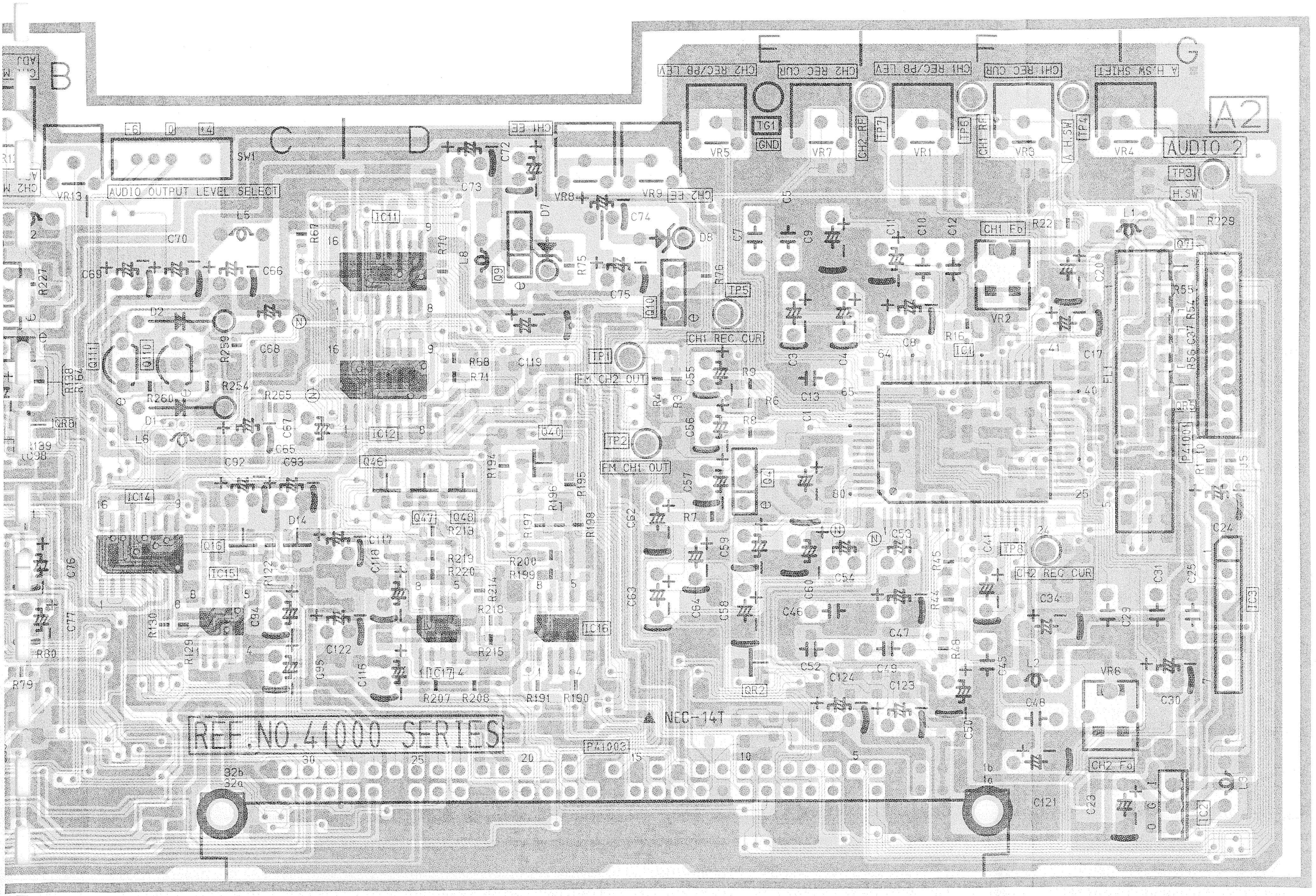
UDIO 2 C.B.A.


G
F
E
D
C
B
A
1
2
3
4
A2
AUDIO 2
A.H.SW SHIFT
CH1 REC CUR
CH1 REC/PB LEV
CH2 REC CUR
CH2 REC/PB LEV
A.H.SW
CH1 RF
CH2 RF
TG1
GND
CH1 EE
CH2 EE
CH2 METER ADJ
AUDIO OUTPUT LEVEL SELECT
SW1
+4
0
CH1 METER ADJ
ERASE 2
ERASE 1
T.C METER
FR CUR
CH1 Fo
CH1 REC CUR
FM CH2 OUT
FM CH1 OUT
CH2 REC CUR
CH2 Fo
P41001
P41002
P41003
VJB04421 ③
VEP04421
REF.NO.41000 SERIES

OIL SIDE)


A
B
C
D
E
F
1
2
3
4
T.C METER
TP10
GND
TP11
TP9
FR CUR
ERASE 1
ERASE 2
CH1 METER ADJ
CH2 METER ADJ
VR14
VR15
VR16
VR12
VR13
SW1
AUDIO OUTPUT LEVEL SELECT
-6
0
+4
CH1 EE
CH2 EE
VR8
VR9
CH2 REC/PB LEV
CH2 REC CUR
CH1 REC/PB LEV
CH1 REC CUR
A H.SW SHIFT
VR5
VR7
VR1
VR3
VR4
TG1
GND
TP7
TP6
TP4
CH2 RF
CH1 RF
A.H.SW
CH1 Fo
CH2 Fo
VR2
VR6
TP5
CH1 REC CUR
TP1
FM CH2 OUT
TP2
FM CH1 OUT
TP8
CH2 REC CUR
P41002
P41003
P41001
IC5
IC6
IC8
IC11
IC12
IC14
IC15
IC16
IC17
Q25
Q26
Q31
Q32
Q50
Q35
Q40
Q46
Q47
Q48
QR2
QR7
QR8
VC1
L4
L5
L7
L9
L10
L11
L12
L20
REF.NO.41000 SERIES
NEC-14T
ERASE I
IC10
TS

(COMPONEN



(COMPONENT SIDE)

AUDIO 2 C.B.A.

Transistor		
Q41001	G-2	F
Q41002	E-2	F
Q41003	E-2	F
Q41004	E-2	F
Q41004	E-2	C
Q41005	E-2	F
Q41006	G-2	F
Q41007	G-1	C
Q41008	D-2	F
Q41009	D-2	F
Q41009	D-1	C
Q41010	E-2	C
Q41011	A-3	F
Q41011	E-2	F
Q41012	A-4	F
Q41013	A-3	F
Q41014	B-2	F
Q41015	B-3	C
Q41016	C-3	C
Q41017	C-3	F
Q41018	C-3	F
Q41019	B-2	C
Q41020	B-2	F
Q41021	B-2	F
Q41022	B-2	C
Q41023	A-1	C
Q41024	A-2	C
Q41025	A-2	F
Q41025	A-2	C
Q41026	A-2	F
Q41026	A-2	C
Q41027	B-1	C
Q41028	B-2	F
Q41029	B-2	C
Q41030	A-2	C
Q41031	A-2	F
Q41031	A-2	C
Q41032	A-2	F
Q41032	A-2	C
Q41033	B-2	C
Q41034	A-2	C
Q41035	B-2	F
Q41035	B-2	C
Q41036	D-3	F
Q41037	D-3	F
Q41038	D-3	F
Q41039	D-3	F
Q41040	D-2	C
Q41041	D-2	F
Q41042	D-2	F
Q41043	D-3	F
Q41044	D-3	F
Q41045	D-2	F
Q41046	D-2	C
Q41047	D-2	C
Q41048	D-2	C
Q41049	D-3	F
Q41050	B-1	F
Q41050	B-2	C
Q41051	E-3	F
Q41052	E-3	F
Q41053	E-3	F
Q41110	C-2	F
Q41110	C-2	C
Q41111	C-2	F
Q41111	C-2	C

Transistor & Resistor		
QR41001	G-1	F
QR41002	E-3	C
QR41003	F-2	F
QR41004	G-3	F
QR41005	G-2	C
QR41006	D-2	F
QR41007	B-3	C
QR41008	B-2	C
QR41009	B-2	F
QR41010	B-1	F
QR41011	B-2	F
QR41012	G-1	F

Integrated Circuit		
IC41001	F-2	C
IC41002	G-4	F
IC41002	G-4	C
IC41003	G-3	F
IC41003	G-3	C
IC41004	D-2	F
IC41005	B-3	C
IC41006	A-3	C
IC41007	C-2	F
IC41008	A-3	C
IC41009	A-3	F
IC41010	B-2	F
IC41011	D-1	C
IC41012	D-2	C
IC41013	D-1	F
IC41014	C-3	C
IC41015	C-3	C
IC41016	D-3	C
IC41017	D-3	C

Connector		
P41001	G-2	F
P41001	G-2	C
P41002	A-2	F
P41002	A-2	C
P41003	E-3	F
P41003	E-4	C

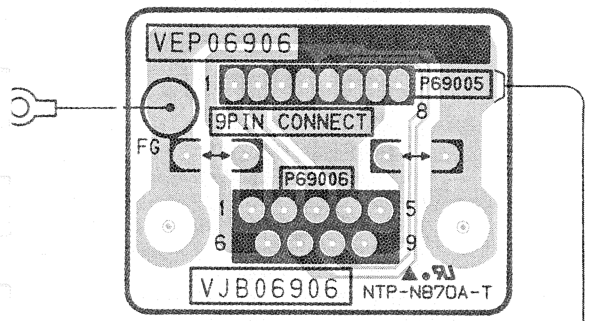
Test Point		
TP41001	E-2	F
TP41001	E-2	C
TP41002	E-2	C
TP41003	G-1	F
TP41003	G-1	C
TP41004	F-1	F
TP41004	F-1	C
TP41005	E-2	F
TP41005	E-2	C
TP41006	F-1	F
TP41006	F-1	C
TP41007	F-1	F
TP41007	F-1	C
TP41008	F-2	F
TP41008	F-3	C
TP41009	A-1	F
TP41009	A-1	C
TP41010	A-1	F
TP41010	A-1	C
TP41011	A-1	F
TP41011	A-1	C
TG41001	E-1	F
TG41001	E-1	C

Adjustment		
VR41001	F-1	F
VR41002	F-1	F
VR41002	F-2	C
VR41003	F-1	F
VR41003	F-1	C
VR41004	G-1	F
VR41004	F-1	C
VR41005	E-1	F
VR41005	E-1	C
VR41006	F-3	F
VR41006	F-3	C
VR41007	E-1	F
VR41007	E-1	C
VR41008	D-1	C
VR41009	E-1	F
VR41009	E-1	C
VR41012	B-1	F
VR41012	B-1	C
VR41013	B-1	F
VR41013	B-1	C
VR41014	A-1	F
VR41014	A-1	C
VR41015	B-1	F
VR41015	B-1	C
VR41016	B-1	F
VR41016	B-1	C
VR4108	D-1	F
VC41001	B-2	F
VC41001	B-2	C

ADDRESS INFORMATION F : FOIL SIDE
C : COMPONENT SIDE

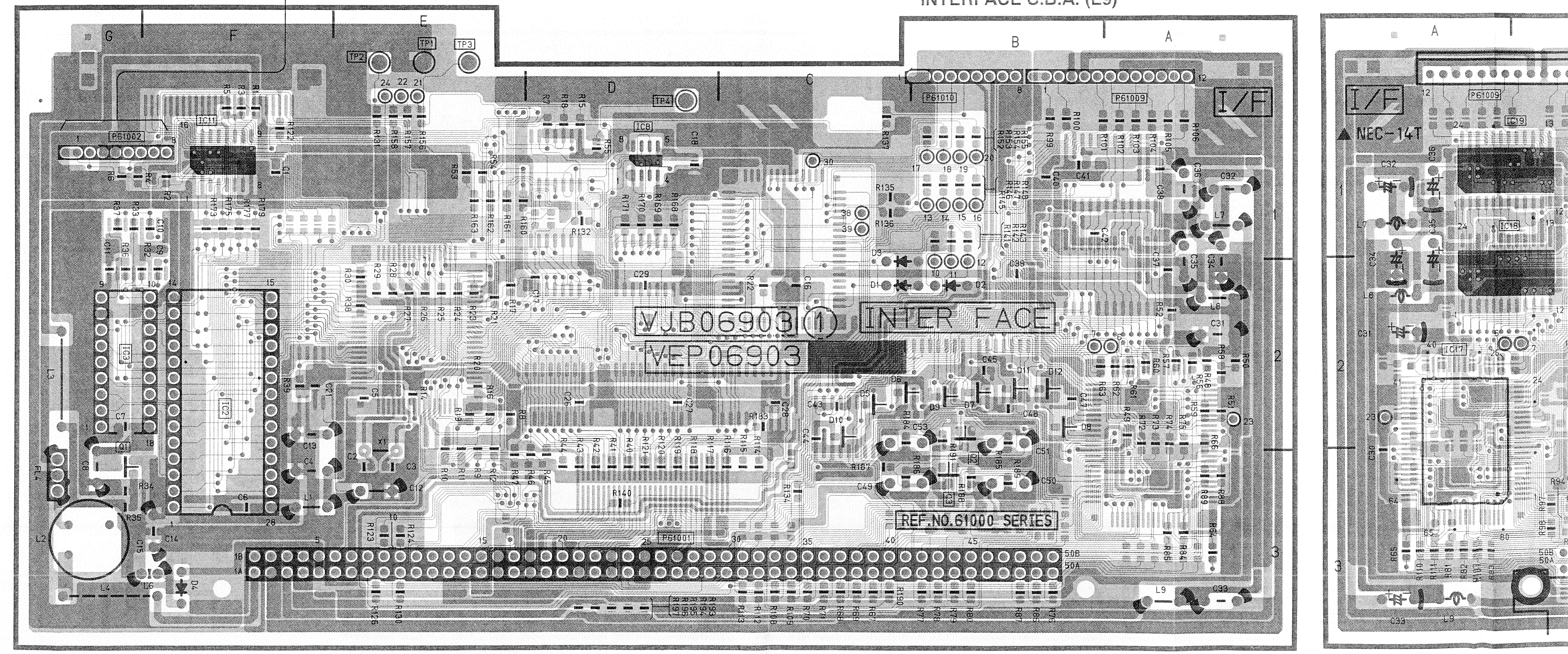
INTERFACE C.B.A. AND 9 PIN CONNECT C.B.A.

9 PIN CONNECT C.B.A. (E33)

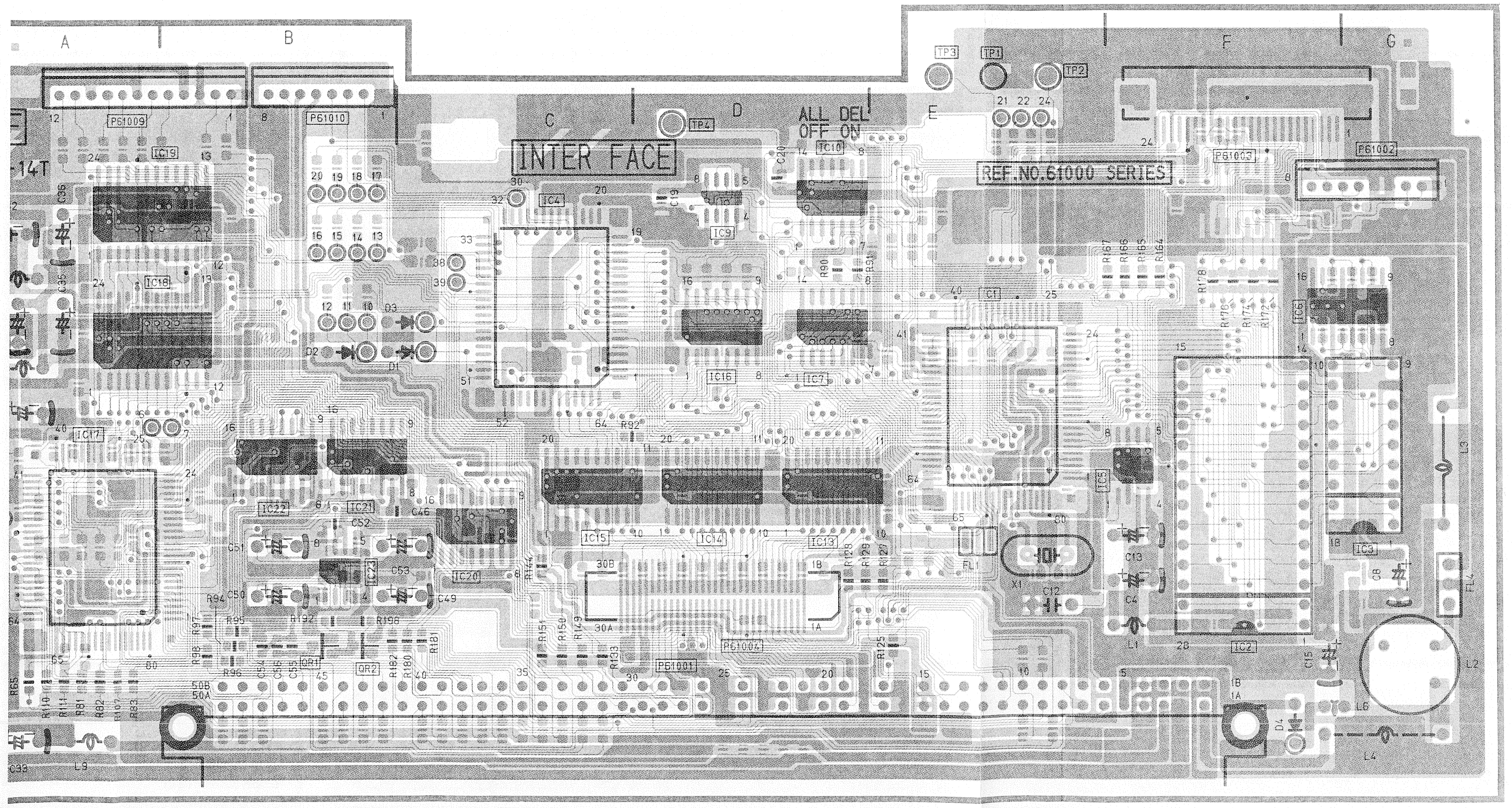

VEP06906
P69005
9PIN CONNECT
FG
P69006
VJB06906
NTP-N870A-T

(FOIL SIDE)

INTERFACE C.B.A. (E9)


G
F
E
D
C
B
A
TP1
TP2
TP3
TP4
P61002
P61010
P61009
P61001
IC1
IC2
IC3
IC8
I/F
VJB06903 ①
VEP06903
INTER FACE
REF.NO.61000 SERIES
NEC-14T
IC16
IC17
IC19
1
2
3

(FOIL SIDE)


A
B
C
D
E
F
G
INTER FACE
REF.NO.61000 SERIES
ALL DEL
OFF ON
TP1
TP2
TP3
TP4
P61009
P61010
P61003
P61002
P61001
P61004
IC1
IC2
IC4
IC5
IC6
IC7
IC9
IC10
IC13
IC14
IC15
IC16
IC17
IC18
IC19
IC20
IC21
IC22
IC23
QR1
QR2
X1
FL1
FL4
L1
L2
L3
L4
L6
L9
D1
D2
D3
D4
C4
C5
C8
C12
C13
C15
C19
C20
C33
C35
C36
C46
C49
C50
C51
C52
C53
R90
R91
R92
R94
R95
R96
R97
R98
R125
R128
R129
R127
R133
R144
R149
R150
R151
R164
R165
R166
R167
R172
R174
R176
R178
R180
R181
R182
R192
R196
-14T

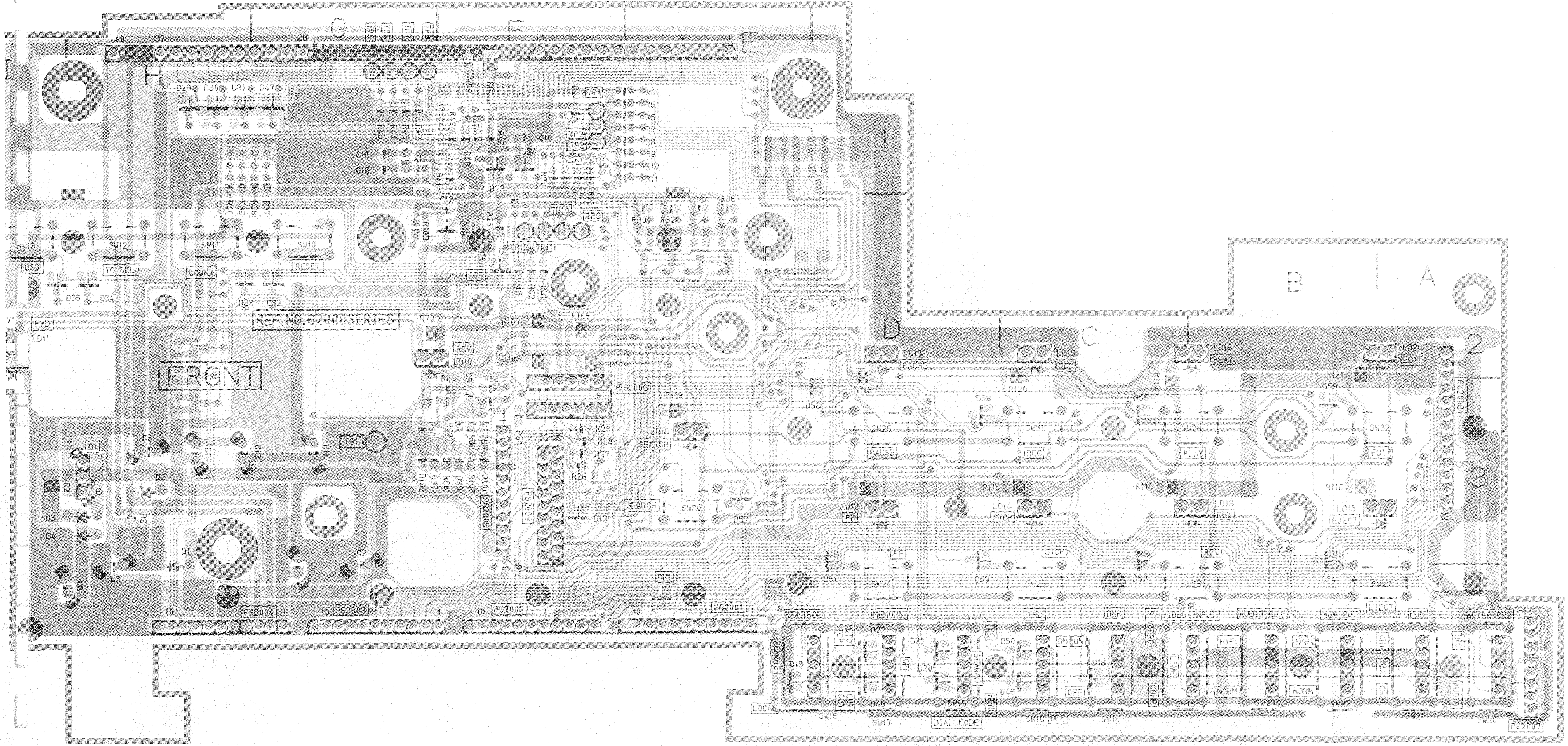
(COMPONENT SIDE)

INTERFACE C.B.A.

Transistor	
Q61001	G-3 (F)
Q61002	B-2 (F)
Q61003	B-3 (F)
Transistor & Resistor	
QR61001	B-3 (C)
QR61002	B-3 (C)
Integrated Circuit	
IC61001	E-2 (C)
IC61002	F-2 (F),(C)
IC61003	G-2 (F),(C)
IC61004	C-1 (C)
IC61005	F-2 (C)
IC61006	F-1 (C)
IC61007	D-2 (C)
IC61008	D-1 (F)
IC61009	D-1 (C)
IC61010	D-1 (C)
IC61011	F-1 (F)
IC61013	D-2 (C)
IC61014	D-2 (C)
IC61015	C-2 (C)
IC61016	D-2 (C)
IC61017	A-2 (C)
IC61018	A-2 (C)
IC61019	A-1 (C)
IC61020	C-2 (C)
IC61021	B-2 (C)
IC61022	B-2 (C)
IC61023	B-3 (C)
Test Point	
TP61001	E-1 (F),(C)
TP61002	E-1 (F),(C)
TP61003	E-1 (F),(C)
TP61004	D-1 (F),(C)
Connector	
P61001	D-3 (F),(C)
P61002	G-1 (F),(C)
P61003	F-1 (C)
P61004	D-3 (C)
P61009	A-1 (F),(C)
P61010	B-1 (F),(C)

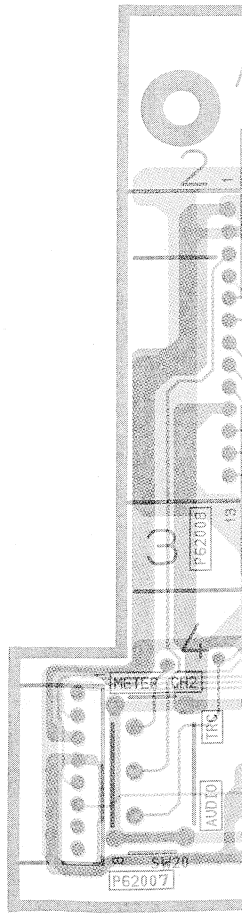
ADDRESS INFORMATION
(F) .... FOIL SIDE
(C) .... COMPONENT SIDE

ONT C.B.A.



REF. NO. 62000SERIES
FRONT
G
F
H
E
D
C
B
A
1
2
3
4
SW13
SW12
SW11
SW10
OSD
TC SEL
COUNT
RESET
FWD
LD11
REV
LD10
SEARCH
LD18
SW30
D57
PAUSE
LD17
REC
LD19
PLAY
LD16
EDIT
LD20
SW29
SW31
SW28
SW32
LD12
FF
LD14
STOP
LD13
REW
LD15
EJECT
SW24
SW25
SW26
SW27
CONTROL
MEMORY
TBC
DNR
S-VIDEO
VIDEO INPUT
AUDIO OUT
MON OUT
METER CH2
REMOTE
LOCAL
AUTO
STOP
SEARCH
OFF
ON
LINE
COMP
HIFI
NORM
CH1
MIX
CH2
AUDIO
TRC
SW15
SW17
SW16
DIAL MODE
SW18
SW14
SW19
SW23
SW22
SW21
SW20
P62001
P62002
P62003
P62004
P62005
P62006
P62007
P62008
P62009
IC1
Q1
T61
R119
R120
R121
R114
R115
R116
D58
D59
D55
D56
D50
D49
D51
D52
D53
D54

(FOIL SIDE)



METER CH2
P62007
P62003
SW20
TRC
AUDIO
2
3
4

(COMPONEN

Transistor	
Q62001	H-3 (F
Q62002	D-1
Q62003	E-1
Q62004	E-1
Q62005	D-1
Q62006	E-2
Q62007	E-2
Q62008	E-2
Q62009	E-2
Transistor & Resist	
QR62001	E-4

ADDRESS INFORMATIC
(F) .... FOIL SIDE
(C) .... COMPONEN

FRONT C.B.A.

Transistor

Q62001	H-3 (F),(C)
Q62002	D-1 (C)
Q62003	E-1 (C)
Q62004	E-1 (C)
Q62005	D-1 (C)
Q62006	E-2 (C)
Q62007	E-2 (C)
Q62008	E-2 (C)
Q62009	E-2 (C)

Transistor & Resistor

QR62001	E-4 (F)

Integrated Circuit

IC62001	F-1 (C)
IC62002	F-3 (C)
IC62003	F-2 (F)

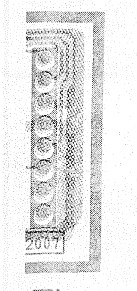
Test Point

TP62001	F-1 (F),(C)
TP62002	F-1 (F), (C)
TP62003	F-1 (C)
TP62005	G-1 (F)
TP62006	G-1 (F)
TP62007	G-1 (F)
TP62008	G-1 (F)
TP62009	F-2 (F)
TP62010	F-2 (F)
TP62011	F-2 (F)
TP62012	F-2 (F)
TPG62001	G-3

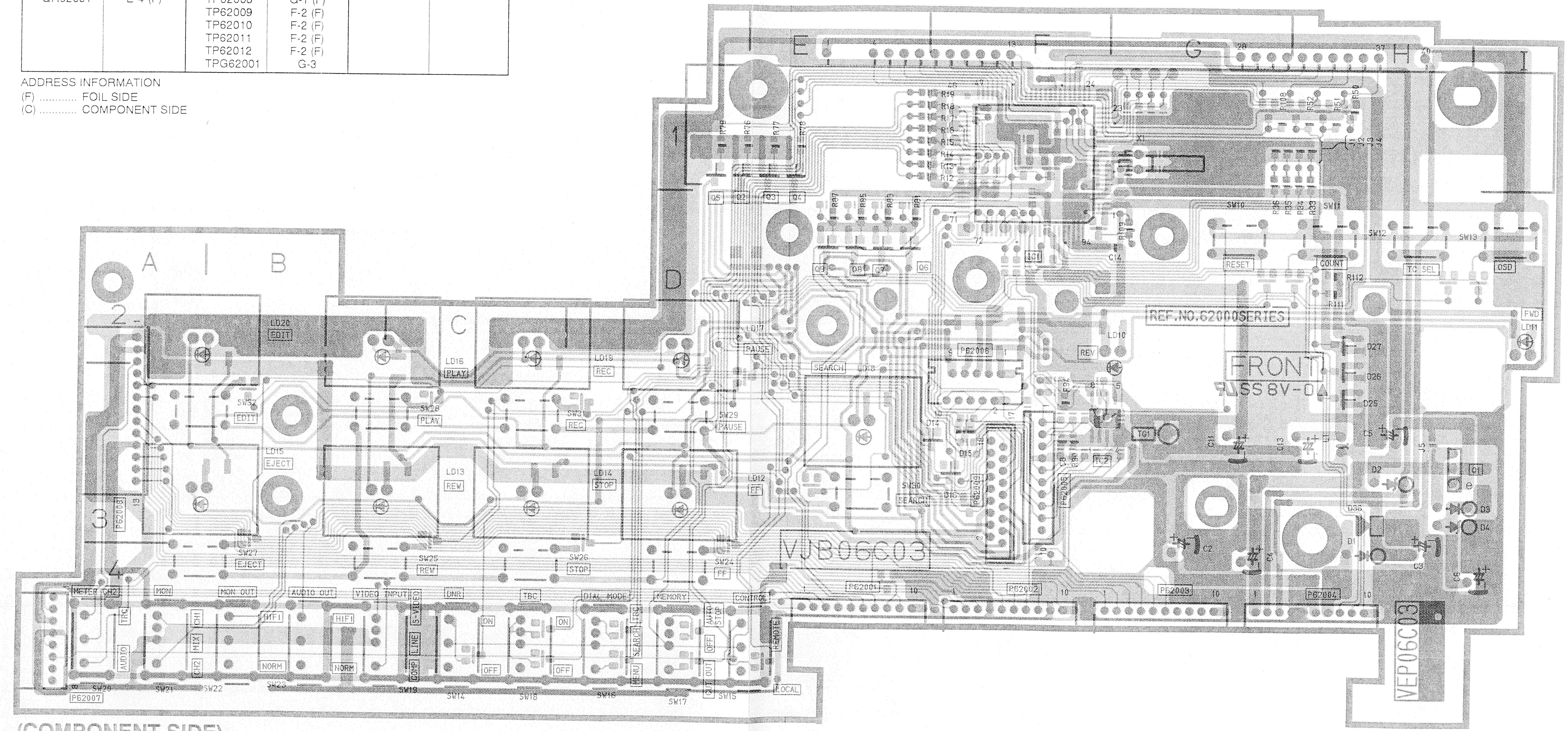
Connector

P62001	E-4 (F),(C)
P62002	F-4 (F),(C)
P62003	G-4 (F),(C)
P62004	H-4 (F),(C)
P62005	F-3 (F),(C)
P62006	F-3 (F),(C)
P62007	A-4 (F),(C)
P62008	A-3 (F),(C)
P62009	F-3 (F),(C)

ADDRESS INFORMATION
(F) .... FOIL SIDE
(C) .... COMPONENT SIDE



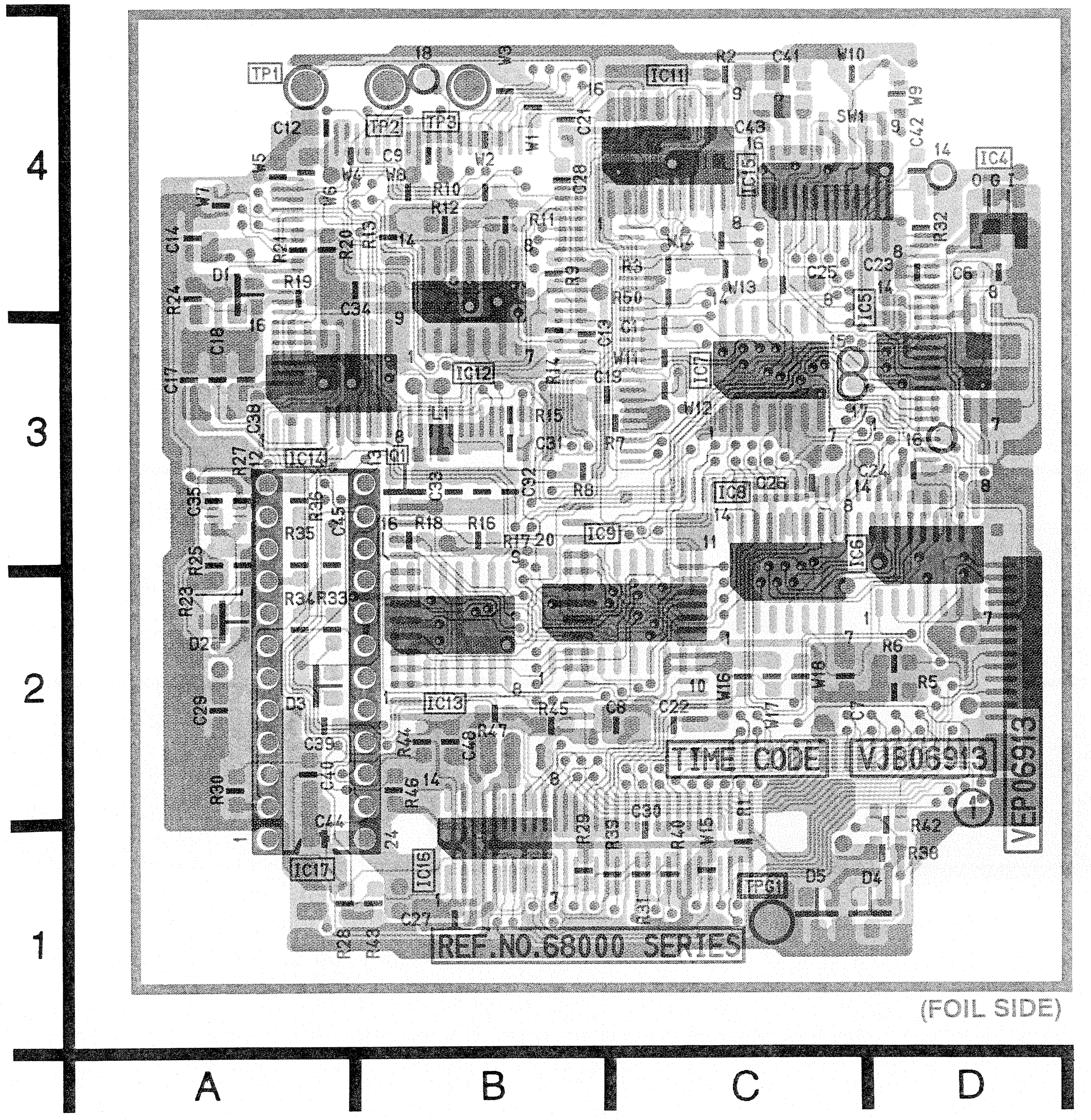
E)



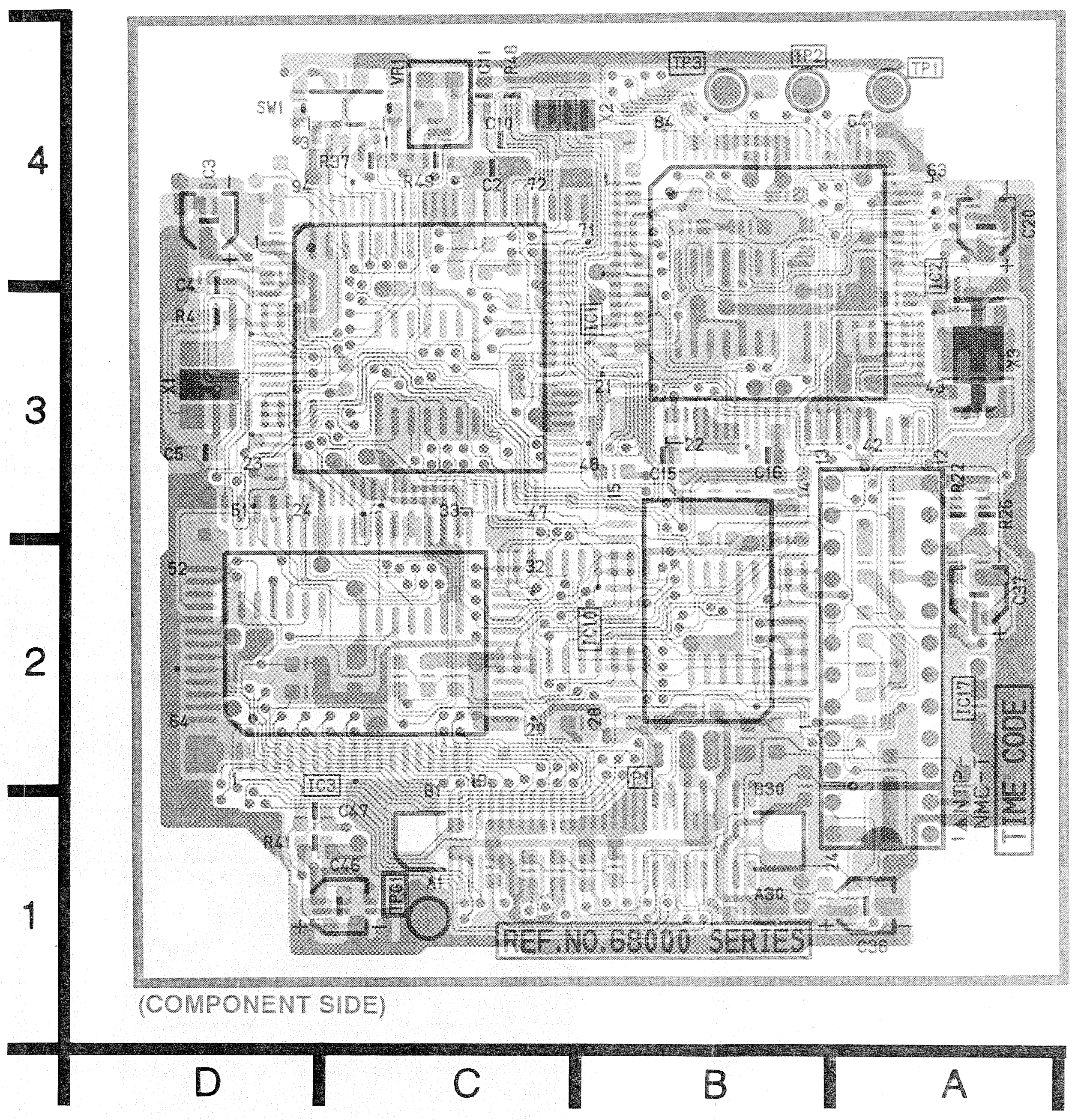
A
B
C
D
E
G
H
I
1
2
3
4
LD20 EDIT
LD16 PLAY
LD19 REC
LD17 PAUSE
SEARCH
LD18
LD15 EJECT
LD13 REW
LD14 STOP
LD12 FF
LD10
LD11 FWD
REV
SW32 EDIT
SW28 PLAY
SW31 REC
SW29 PAUSE
SW30 SEARCH
SW27 EJECT
SW25 REW
SW26 STOP
SW24 FF
SW10
SW11
SW12
SW13
RESET
COUNT
TC SEL
OSD
REF.NO.62000SERIES
FRONT
VJB06C03
VEP06C03
METER CH2
MON
MON OUT
AUDIO OUT
VIDEO INPUT
DNR
TBC
DIAL MODE
MEMORY
CONTROL
REMOTE
LOCAL
TRC
AUDIO
MIX
CH1
CH2
HIFI
NORM
S-VIDEO
LINE
COMP
ON
OFF
SEARCH
MENU
AUTO STOP
CUT OUT
SW20
SW21
SW22
SW23
SW19
SW14
SW18
SW16
SW17
SW15
P62001
P62002
P62003
P62004
P62005
P62006
P62007
P62008
P62009
IC1
Q1
Q5
Q6
Q7
Q8
Q9
TG1
TG2
D1
D2
D3
D4
D14
D15
D16
D25
D26
D27
C2
C3
C4
C5
C6
C11
C13
C14
R11
R12
R13
R14
R15
R16
R17
R18
R19

(COMPONENT SIDE)

T'ME CODE C.B.A. (AG-DS555 ONLY)


4
3
2
1
A
B
C
D
TP1
TP2
TP3
TPG1
IC4
IC5
IC6
IC7
IC8
IC9
IC11
IC12
IC13
IC14
IC15
IC16
IC17
TIME CODE
VJB06913
VEP06913
REF.NO.68000 SERIES

(FOIL SIDE)


4
3
2
1
D
C
B
A
TP1
TP2
TP3
TPG1
SW1
VR1
IC1
IC2
IC3
IC10
IC17
X1
X3
TIME CODE
REF.NO.68000 SERIES

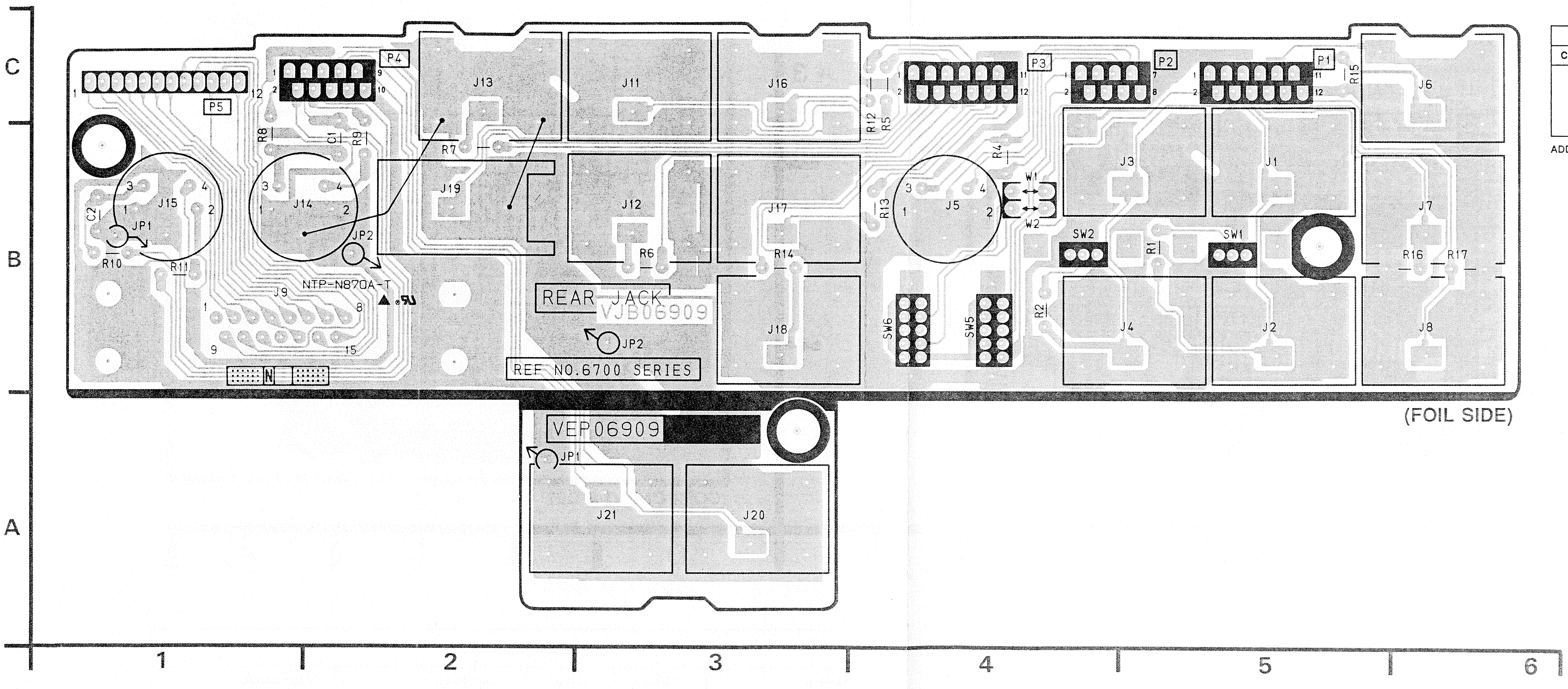
(COMPONENT SIDE)

TIME CODE C.B.A.

Transistor		IC68007	C-3 (F)	**Test Point**		**Adjustment**	
Q68001	B-3 (F)	IC68008	C-2 (F)	TP68001	A-4 (F),(C)	VR68001	C-4 (F),(C)
Integrated Circuit		IC68009	C-2 (F)	TP68002	B-4 (F),(C)		
IC68001	C-3 (C)	IC6810	B-2 (C)	TP68003	B-4 (F),(C)		
IC68002	B-3 (C)	IC6811	C-4 (F)	TPG68001	C-1 (F),(C)		
IC68003	D-2 (C)	IC6812	B-3 (C)			**Connector**	
IC68004	D-4 (F)	IC6813	B-2 (C)			P68001	B-1 (C)
IC68005	D-3 (F)	IC6814	A-3 (C)				
IC68006	D-2 (F)	IC6815	C-4 (C)				
		IC6516	B-1 (C)				
		IC6817	A-2 (F),(C)				

ADDRESS INFORMATION
(F) .... FOIL SIDE
(C) .... COMPONENT SIDE

REAR JACK C.B.A.

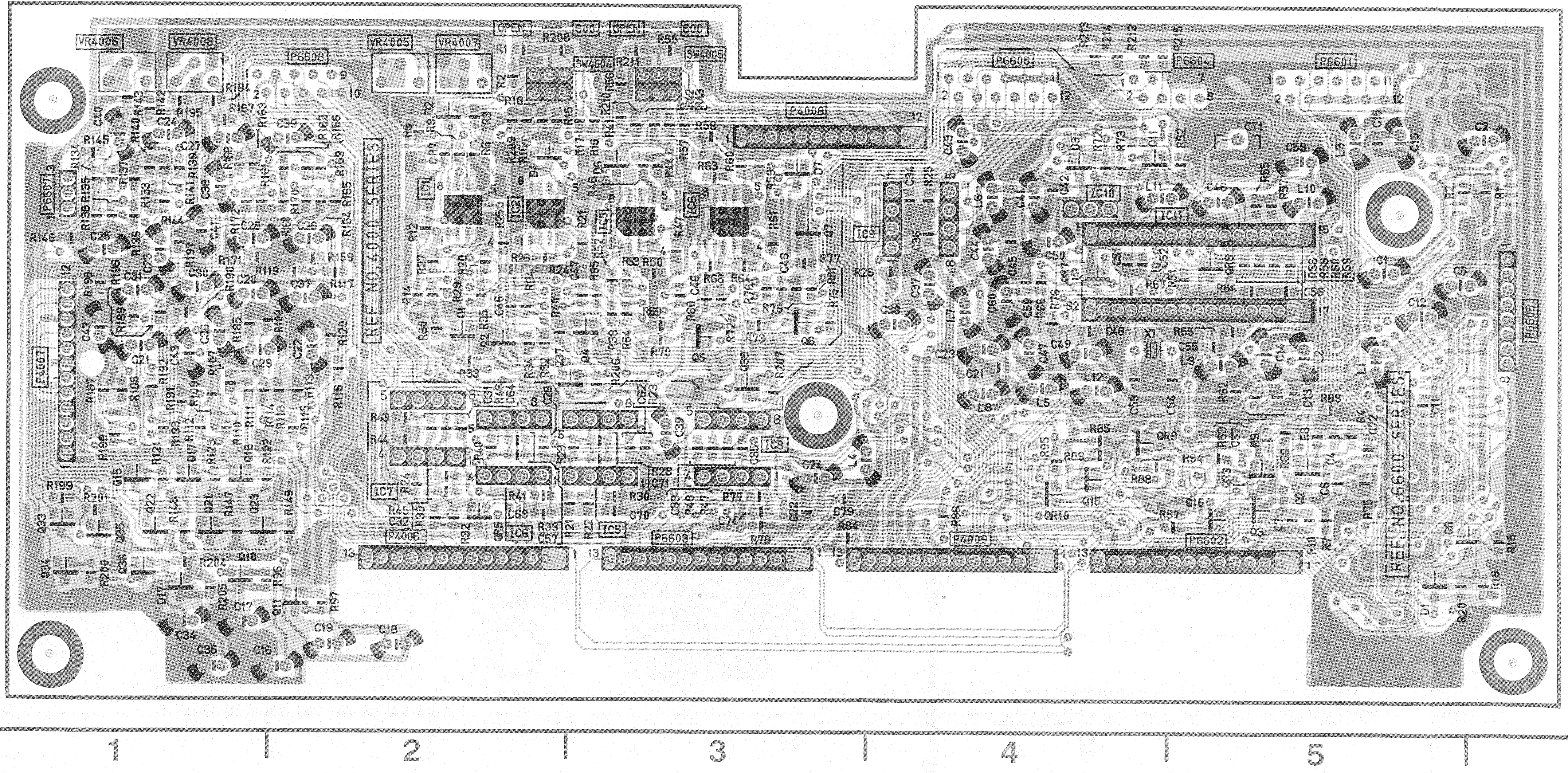

C
B
A
1
2
3
4
5
6
P5
P4
P3
P2
P1
J13
J11
J16
J6
J19
J12
J17
J3
J1
J7
J15
J14
J5
J9
J18
J4
J2
J8
J21
J20
JP1
JP2
C1
C2
R1
R2
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
W1
W2
SW1
SW2
SW5
SW6
NTP-N870A-T
REAR JACK
VJB06909
REF NO.6700 SERIES
VEP06909
(FOIL SIDE)

REAR JACK C.B.A.	
Connector	
P6701	C-5
P6702	C-4
P6703	C-4
P6704	C-2
P6705	C-1

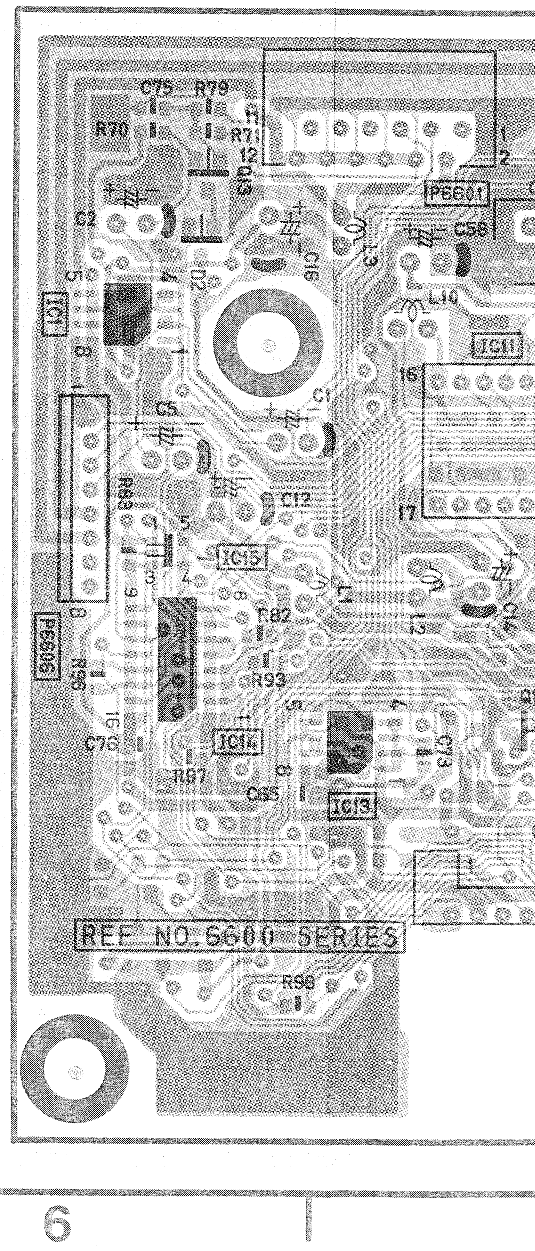
ADDRESS INFORMATION

EAR AMP C.B.A.

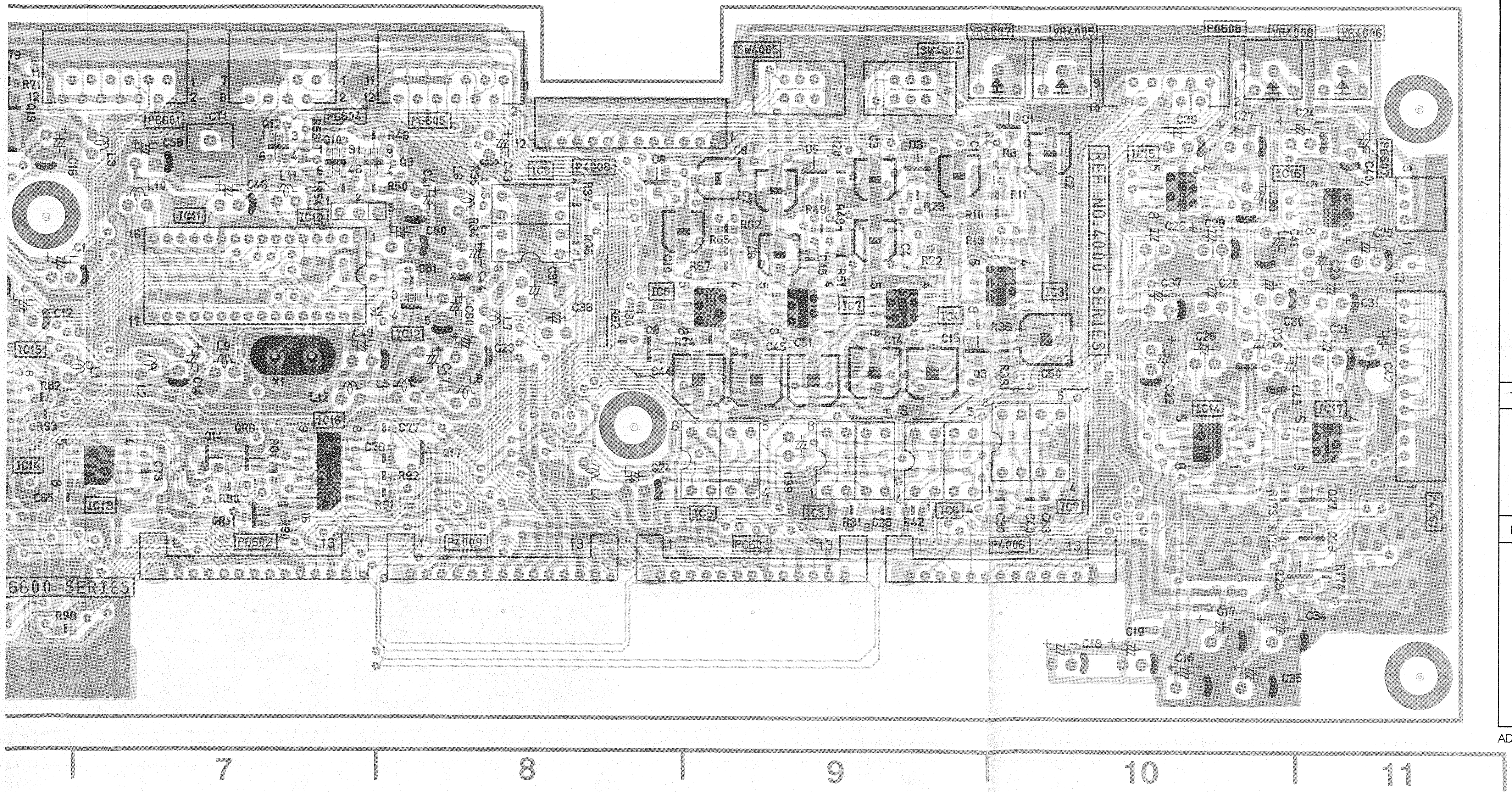
(FOIL SIDE)


VR4006
VR4008
P6608
VR4005
VR4007
OPEN
600
OPEN
600
SW4004
SW4005
P4008
P6605
P6604
P6601
P6607
P4007
REF NO.4000 SERIES
IC1
IC2
IC5
IC6
IC7
IC8
IC9
IC10
IC11
P4006
P6603
P4009
P6602
P6605
REF NO.6600 SERIES
1
2
3
4
5

(COMPONENT SIDE)


P6601
IC1
IC11
IC15
IC14
IC13
P6606
REF NO.6600 SERIES
6

NENT SIDE)


REF NO.4000 SERIES
6600 SERIES
SW4005
SW4004
VR4007
VR4005
P6608
VR4008
VR4006
P6601
P6604
P6605
P4008
P6607
P4007
P6602
P4009
P6609
P4006
IC8
IC9
IC10
IC11
IC12
IC13
IC14
IC15
IC16
IC17
IC3
IC4
IC5
IC6
IC7
CT1
X1
7
8
9
10
11

REAR AMP C.B.A.

Transistor

Q4001	C-2	F
Q4002	C-2	F
Q4004	B-3	F
Q4005	B-3	F
Q4006	B-3	F
Q4007	B-3	F
Q4010	A-1	F
Q4011	A-2	F
Q4015	A-1	F
Q4016	A-1	F
Q4017	A-1	F
Q4021	A-1	F
Q4022	A-1	F
Q4023	A-1	F
Q4027	A-11	C
Q4028	A-10	C
Q4029	A-11	C
Q4033	A-1	F
Q4034	A-1	F
Q4035	A-1	F
Q4036	A-1	F
Q4037	C-2	F
Q4038	B-3	F
Q6615	A-4	F
Q6602	A-5	F
Q6603	A-5	F
Q6606	A-5	F
Q6608	B-8	C
Q6609	B-8	C
Q6610	B-7	C
Q6611	B-4	F
Q6612	C-7	C
Q6613	C-6	C
Q6614	A-7	C
Q6616	A-5	F
Q6617	A-8	C

Transistor & Resistor

QR4005	A-2	F
QR6603	A-5	F
QR6607	B-4	F
QR6609	A-4	F
QR6610	A-4	F
QR6611	A-7	C

Integrated Circuit

IC4001	C-2	F
IC4002	C-2	F
IC4003	B-10	C
IC4004	B-9	C
IC4005	A-9	C
IC4005	B-3	F
IC4005	A-3	F
IC4006	A-9	C
IC4006	B-3	F
IC4006	A-2	F
IC4007	A-10	C
IC4007	B-9	C
IC4007	A-2	F
IC4008	A-9	C
IC4008	A-3	F
IC4014	B-10	C
IC4015	C-10	C
IC4016	B-10	C
IC4017	B-11	C
IC6601	B-6	C
IC6608	B-8	C
IC6609	B-8	C
IC6609	B-4	F
IC6610	C-7	C
IC6610	B-4	F
IC6611	B-7	C
IC6611	B-4	F
IC6612	B-8	C
IC6613	A-7	C
IC6614	B-6	C
IC6615	B-6	C
IC6616	B-7	C

Connector

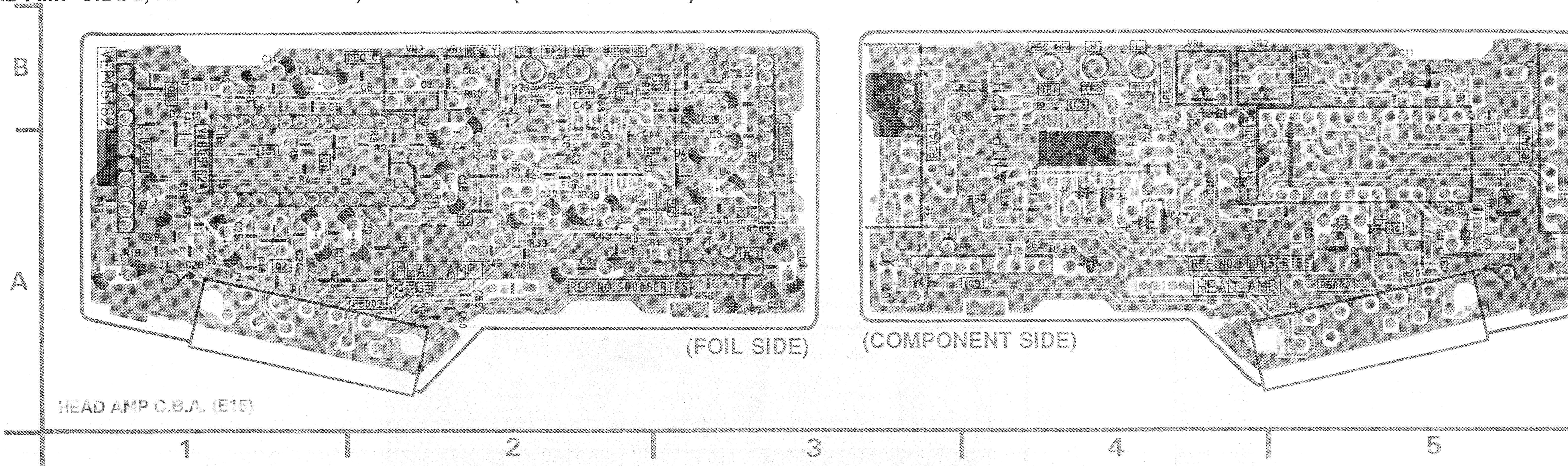
P4006	A-10	C
P4006	A-2	F
P4007	A-11	C
P4007	B-1	F
P4008	B-8	C
P4008	C-3	F
P4009	A-8	C
P4009	A-4	F
P6601	C-7	C
P6601	C-5	F
P6602	A-7	C
P6602	A-5	F
P6603	A-9	C
P6603	A-3	F
P6604	C-7	C
P6604	C-5	F
P6605	C-8	C
P6605	C-4	F
P6606	B-6	C
P6606	B-6	F
P6607	C-11	C
P6607	B-1	F
P6608	C-10	C
P6608	C-2	F

Adjustment

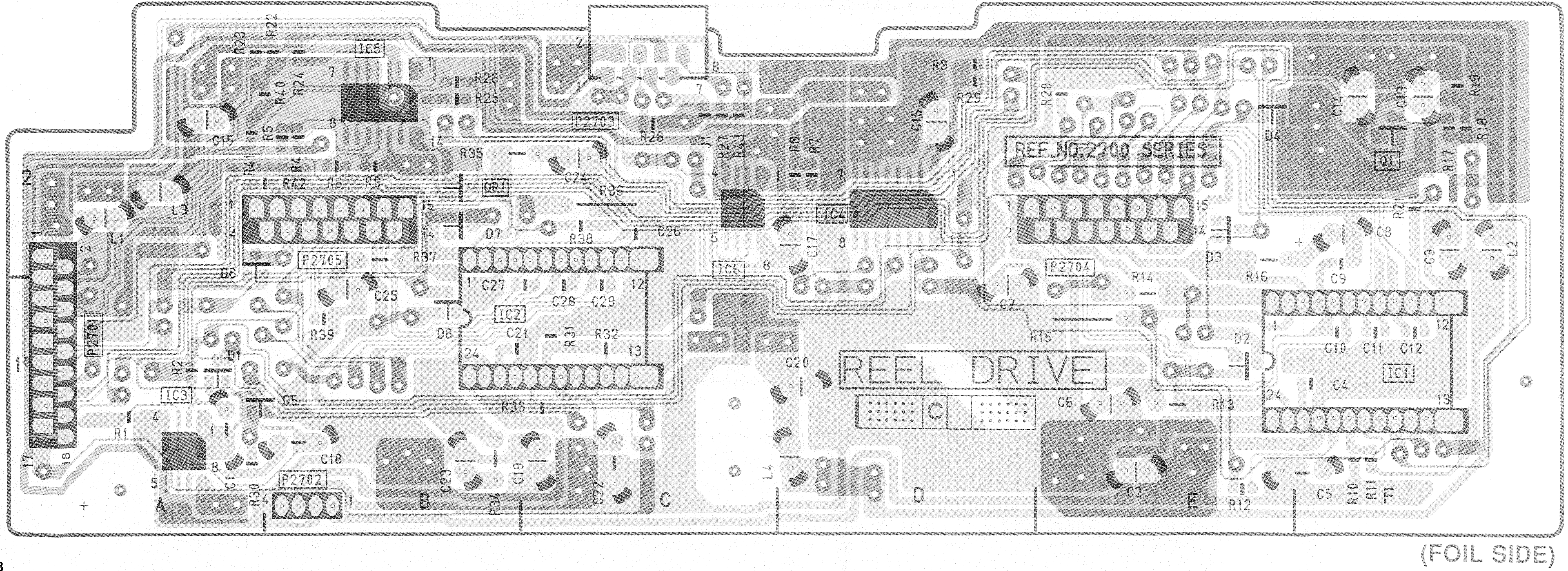
VR4005	C-10	C
VR4005	C-2	F
VR4006	C-11	C
VR4006	C-1	F
VR4007	C-9	C
VR4007	C-2	F
VR4008	C-10	C
VR4008	C-1	F
CT6601	C-7	C
CT6601	C-5	F

ADDRESS INFORMATION F : FOIL SIDE
C : COMPONENT SIDE

EAD AMP C.B.A., REEL DRIVE C.B.A., XLR M C.B.A. (AG-DS555 ONLY) AND XLR F C.B.A.


B
A
1
2
3
4
5
VEP05162
VJB05162A
HEAD AMP
REF.NO.5000SERIES
P5001
P5002
P5003
IC1
IC2
IC3
IC5
Q1
Q2
Q3
Q4
Q5
VR1
VR2
REC Y
REC C
REC HF
TP1
TP2
TP3
L
H
J1
(FOIL SIDE)
(COMPONENT SIDE)

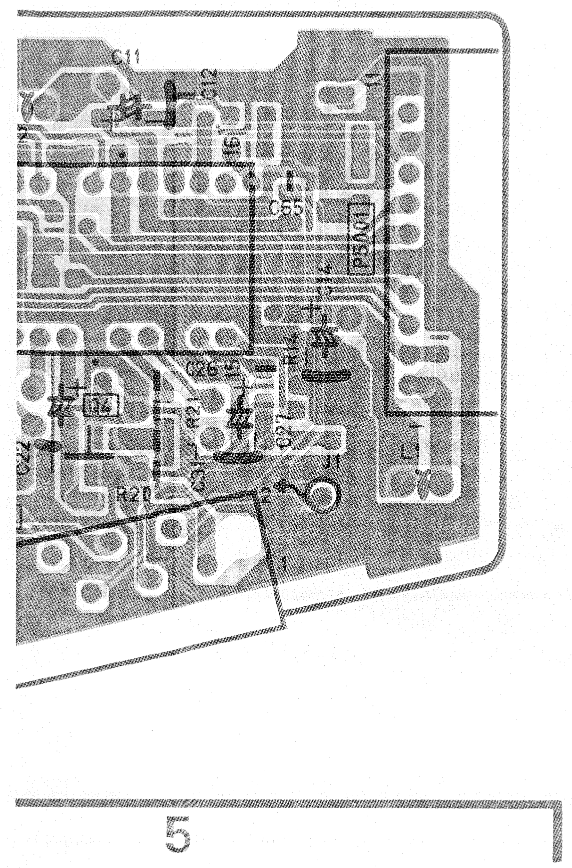
HEAD AMP C.B.A. (E15)


REEL DRIVE
REF.NO.2700 SERIES
P2701
P2702
P2703
P2704
P2705
IC1
IC2
IC3
IC4
IC5
IC6
QR1
Q1
A
B
C
D
E
F
(FOIL SIDE)

REEL DRIVE C.B.

REEL D
Transist
Q2701
Transist
QR270
Integrat
IC2701 IC2702 IC2703 IC2704 IC2705 IC2706
Connect
P2701 P2702 P2703 P2704 P2705

ADDRESS


C11
C12
C16
C55
P5001
C14
C26
C15
R14
R21
C27
C22
C31
R20
5

HEAD AMP C.B.A.	
Transistor	
Q5001	A-1
Q5002	A-1
Q5003	A-3
Q5004	A-5
Q5005	A-2
Transistor & Resistor	
QR5001	B-1
Integrated Circuit	
IC5001	A-1
IC5001	A-5
IC5002	A-4
IC5003	A-3
IC5003	A-4
Test Point	
TP5001	B-2
TP5001	B-4
TP5002	B-2
TP5002	B-4
TP5003	B-2
TP5003	B-4
Adjustment	
VR5001	B-2
VR5001	B-4
VR5002	B-2
VR5002	B-4
Connector	
P5001	A-1
P5001	A-5
P5002	A-2
P5002	A-5
P5003	A-3
P5003	A-3

ADDRESS INFORMATION

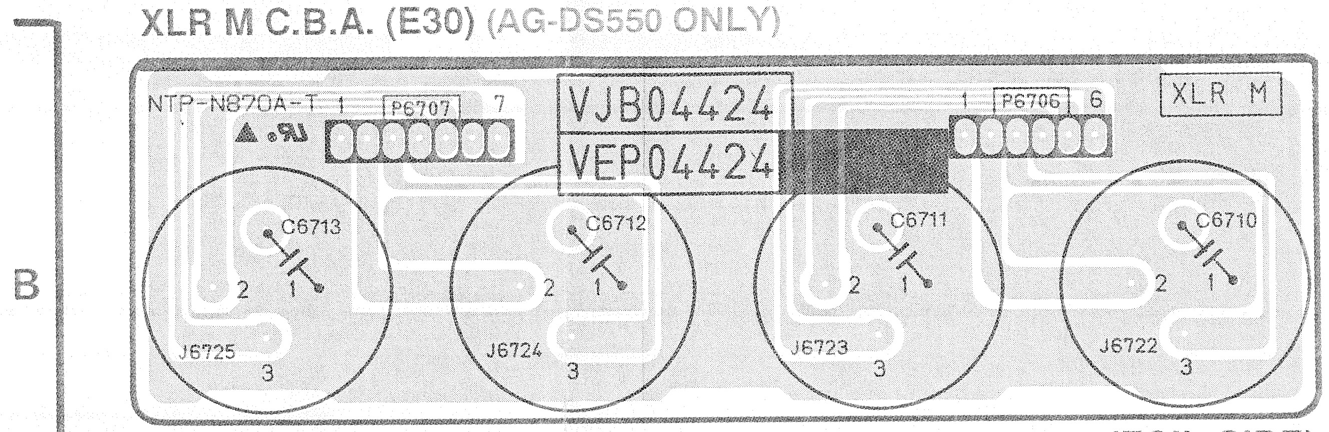
XLR M C.B.A.	
Connector	
P6706	B-2
P6707	B-1

ADDRESS INFORMATION

XLR F C.B.A.	
Connector	
P6708	A-2
P6709	A-1

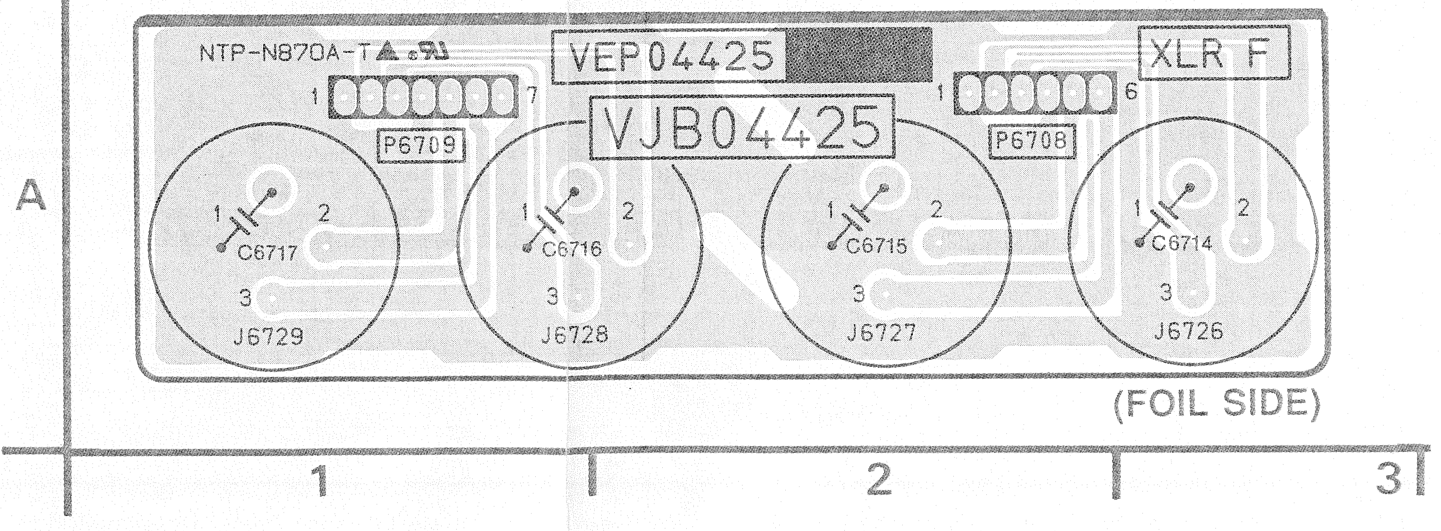
ADDRESS INFORMATION

XLR M C.B.A. (E30) (AG-DS550 ONLY)


NTP-N870A-T
1
P6707
7
VJB04424
VEP04424
1
P6706
6
XLR M
C6713
C6712
C6711
C6710
J6725
J6724
J6723
J6722
B

(FOIL SIDE)

XLR F C.B.A. (E31)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VEP04425
XLR F
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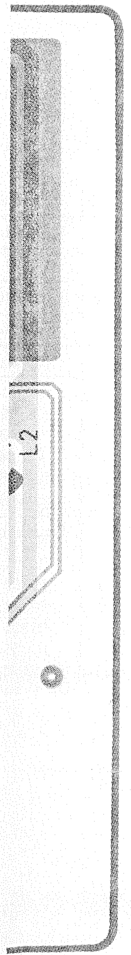
7
P6709
VJB04425
1
6
P6708
C6717
C6716
C6715
C6714
J6729
J6728
J6727
J6726
A
1
2
3

(FOIL SIDE)

REEL DRIVE C.B.A.	
Transistor	
Q2701	F-2
Transistor & Resistor	
QR2701	B-2
Integrated Circuit	
IC2701	F-1
IC2702	C-1
IC2703	A-1
IC2704	D-2
IC2705	B-2
IC2706	C-2
Connector	
P2701	A-1
P2702	B-1
P2703	C-2
P2704	E-2
P2705	B-2

ADDRESS INFORMATION



REEL DRIVE C.B.A. (E14)

SIDE)

SECTION 8

EXPLODED VIEWS & REPLACEMENT PARTS LIST

CONTENTS

SERVICING FIXTURES & TOOLS LIST PARTS-2

XPLODED VIEWS PARTS-3

1. CHASSIS PARTS SECTION PARTS-3
2. MOVING PARTS SECTION PARTS-5
3. CASSETTE COMPARTMENT SECTION PARTS-7
4. CHASSIS & FRAME SECTION PARTS-8
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6. PACKING PARTS SECTION PARTS-11

ELECTRICAL REPLACEMENT PARTS LIST PARTS-13

NOTES

1. ● Be sure to make your orders of replacement parts according to this list.
   ● '<R>' in Remark column indicates recommended parts.
   ● '<M>' in Remark column indicates needed in the periodical maintenance.
2. IMPORTANT SAFETY NOTICE
   Components identified by '<!>' have special characteristics important for safety.
   When replacing any of these components, use only the original ones.
   Meaning of symbol '<!>' on this parts list is exactly the same as symbol ⚠ on Schematic and Circuit Board Diagrams.
3. Unless otherwise specified ;
   All resistors are in (Ω), K=1,000Ω, M=1,000kΩ.
   All capacitors are in (F), U=10^{-6} F, P=10^{-12} F.
4. ITEM NUMBERS WITH CAPITAL LETER E
   Item numbers with capital leter E (Example:E1, E2,...) in Ref.No. column mean that the parts are listed with the E item numbers in the exploded views.
5. The main assembled parts are shown below C.B.A. marked with '■' .
6. When ordering parts, use parts No. only form Part No. column.
7. Printed circuit board assembly with mark.(RTL) is no longer available after discontinuation of the product.
8. Abbreviations for parts ;

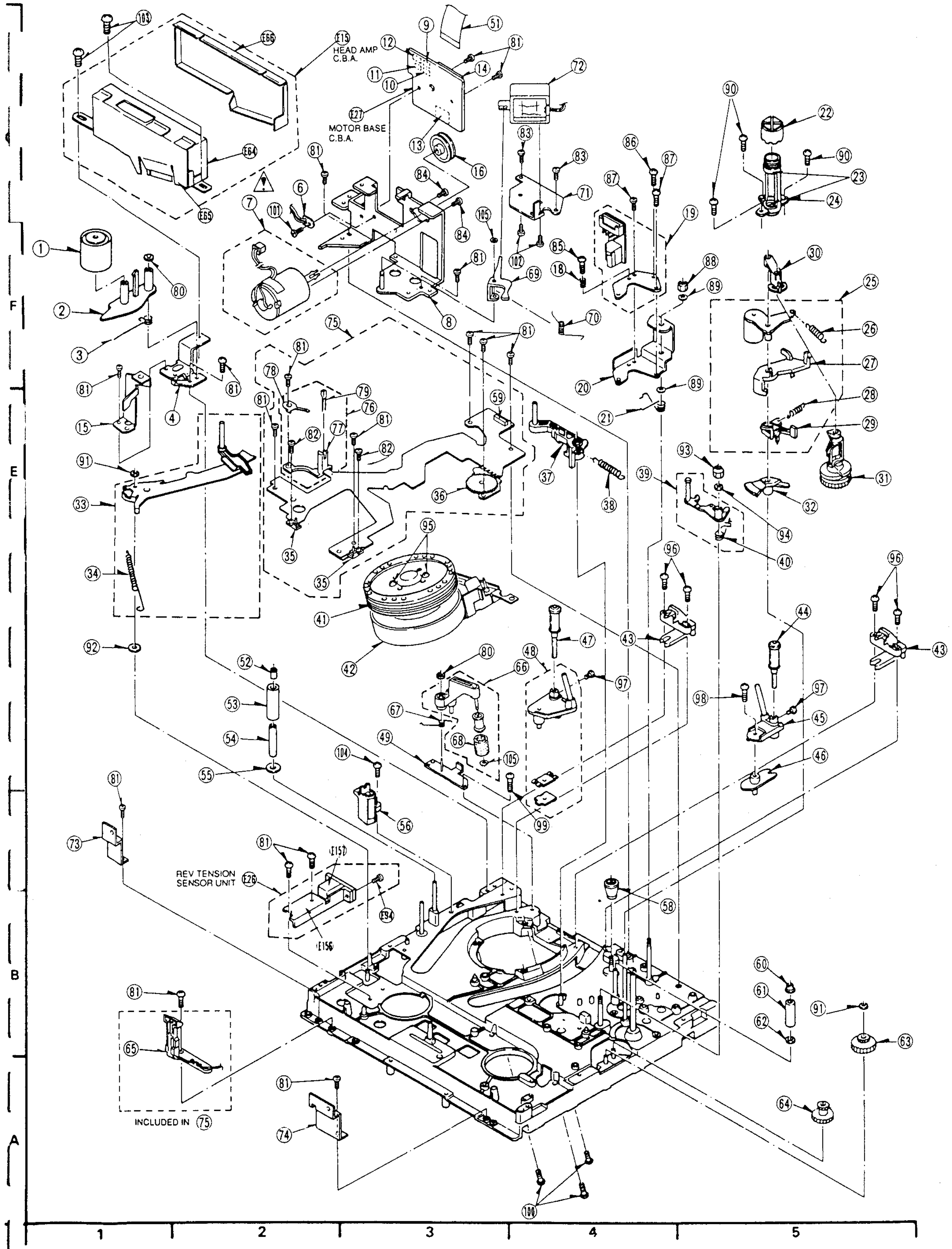
-- NAME --	-- DESCRIPTION --
C.CAPACITOR	CERAMIC CAPACITOR
C.CAPACITOR CH	CERAMIC CHIP CAPACITOR
E.CAPACITOR	ELECTROLYTIC CAPACITOR
G.CAPACITOR	GLASS CAPACITOR
M.CAPACITOR	MICA CAPACITOR
P.CAPACITOR	PLASTIC FILM CAPACITOR
S.CAPACITOR	SEMI-CONDUCTOR CAPACITOR
T.CAPACITOR	TANTALUM CAPACITOR
TRIMMER	TRIMMER
C.RESISTOR	CARBON RESISTOR
F.RESISTOR	FUSE RESISTOR
M.RESISTOR	METAL OXSIDE RESISTOR
M.RESISTOR CH	METAL OXSIDE CHIP RESISTOR
S.RESISTOR	SOLID RESISTOR
V.RESISTOR	VARIABLE RESISTOR
W.RESISTOR	WIRE WOUND RESISTOR
COMBI. TR-R	TRANSITOR-RESISTOR COMBINATION PARTS
COMBI. R-R	RESISTOR-RESISTOR COMBINATION PARTS
COMBI. C-R-L	CAPACITOR-COIL COMBINATION PARTS
C.B.A.	CIRCUIT BOARD ASSEMBLY

SERVICING FIXTURE & TOOLS LIST

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VFM8080HQFP	VHS ALIGNMENT TAPE	1	
		VFK0329	POST ADJ. SCREWDRIVER	1	
		VFK0132	BACK TENSION METER	1	
		VFK0330	FINE ADJ. SCREWDRIVER	1	
		VFK0326	HEX. WRENCH SET	1	
		VFK0948	CHECK LIGHT	1	
		MOR265	MOLYTONE GREASE	1	
		VFK27	HEAD CLEANING STICK	1	
		VFK66	FAN TYPE TENSION GAUGE	1	
		VFK0335	RETAINING RING REMOVER	1	
		VFK0851	CENTERING FIXTURE	1	
		VFK0680	S.C.R. GREASE	1	

EXPLODED VIEWS

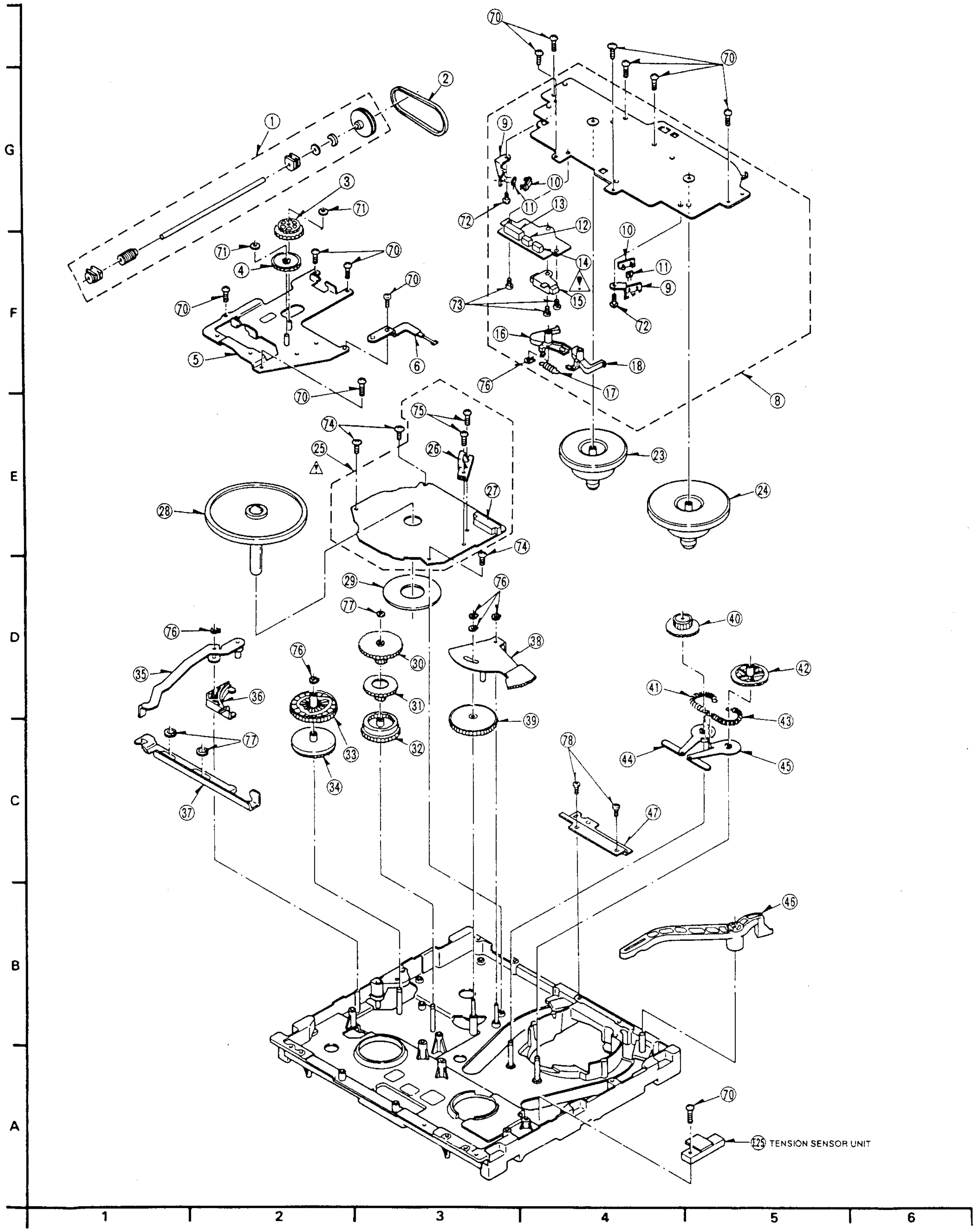
1. CHASSIS PARTS SECTION



1. CHASSIS PARTS SECTION

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1-1	VXP1092KIT	IMPEDANCE ROLLER UNIT	1	
1-2	VML2293	INPEDANCE ROLLER ARM	1	
1-3	VMB1976	IMPEDANCE SPRING	1	
1-4	VMA7982	HEAD AMP ANGLE (L)	1	
1-6	VEK3185	HUMIDITY RESISTOR UNIT	1	<R>
⚠ 1-7	VEM0432A	LOADING MOTOR UNIT	1	<M><R>
1-8	VXA5151	MOTOR BASE (1) UNIT	1	
1-9	VJP1229G	CONNECTOR (MALE)	1	
1-10	VJP1229T	CONNECTOR (MALE)	1	
1-11	VJP1229R	CONNECTOR (MALE)	1	
1-12	VJP1230R	CONNECTOR (MALE)	1	
1-13	VJP3106B013	CONNECTOR (MALE)	1	
1-14	VJS1493	CONNECTOR (FEMALE)	1	
1-15	VMA9024	IMPEDANCE ROLLER SUPPORT	1	
1-16	VDP1319	MOTOR PULLEY	1	
1-18	VMB1251	ADJUST SPRING	1	
1-19	VED0145	A/C HEAD (1) UNIT	1	<M><R> FOR AG-DS555P
1-19	VED0116	A/C HEAD (1) UNIT	1	<M><R> FOR AG-DS545P
1-20	VXA3649	A/C HEAD BASE UNIT	1	
1-21	VMB1567	A/C HEIGHT SPRING	1	
1-22	VXQ0094	THRUST SCREW UNIT	1	
1-23	VMX1567	OIL SEAL	2	
1-24	VXD0120	HOUSING UNIT	1	
1-25	VXL2367	PRESSURE ROLLER UNIT	1	
1-26	VMB1977	PINCH PRESSURE SPRING	1	
1-27	VXL2368	PINCH PRESSURE ARM	1	
1-28	VMB1569	PINCH ARM SPRING	1	
1-29	VML1874	PINCH LIFT ARM	1	
1-30	VMX1353	PINCH CAM ARM	1	
1-31	VDG0577	PINCH CAM	1	
1-32	VDG0651	PINCH SECTOR GEAR	1	
1-33	VXL2089	TENSION ARM UNIT	1	
1-34	VMB1975	TENSION SPRING	1	
1-35	VSP0293	CASSETTE DETECT SW	2	
1-36	VSS0257	MODE SWITCH	1	<M><R>
1-37	VXL1856	SUB LOADING ARM (1) UNIT	1	
1-38	VMB1566	SUB POST SPRING	1	
1-39	VXL2074	P5 ARM UNIT	1	
1-40	VMB1554	P5 SPRING	1	
1-41	VEH0645	UPPER CYLINDER	1	<M><R> FOR AG-DS555P
1-41	VEH0720	UPPER CYLINDER	1	<M><R> FOR AG-DS545P
1-42	VEG1109	LOWER CYLINDER UNIT	1	<M><R>
1-43	VMD0910	POST STOPPER	2	
1-44	VXP1264	ROLER POST (1) UNIT	1	
1-45	VXA3876	INCLINED BASE (T)(1) UNIT	1	
1-46	VXA2687	INCLINED ADJUSTMENT PLATE	1	
1-47	VXP1263	ROLLER POST (S) UNIT	1	
1-48	VXA3249KIT	INCLINED BASE (S)	1	
1-49	VXA3980KIT	HEAD CLEANING PLATE	1	
1-51	VWJ15AW280M0	FLEXIBLE CABLE	1	
1-52	VMX1088	SUPPLY UPPER LIMITER	1	
1-53	VDP1533	SUPPLY ROLLER	1	
1-54	VMX1581	P1 COLLAR	1	
1-55	VMX1533	SUPPLY LOWER LIMITER	1	
1-56	VBS0038	FE HEAD	1	AG-DS555P ONLY
1-58	VHN0110	ADJUST NUT	1	
1-59	VJS2964A013	CONNECTOR (FEMALE)	1	
1-60	VMX1544	P4 UPPER LIMITER	1	
1-61	VMX1568	P4 SLEEVE	1	
1-62	VMX1534	P4 LOWER LIMITER	1	
1-63	VDG0664	CONNECTION GEAR	1	
1-64	VDG0483	PINCH SPEED DOWN GEAR	1	
1-65	VES0489	SAFETY SWITCH	1	
1-66	VXL2263	HEAD CLEANING UNIT	1	<M><R>
1-67	VMB2532	CLEANING SPRING	1	
1-68	VMT0321	HEAD CLEANING PAD	1	
1-69	VML2845	CAM LEVER	1	
1-70	VMB2672	CAM LEVER SPRING	1	
1-71	VMA8977	SOLENOID BASE	1	
1-72	VSJ0111	PINCH SOLENOID	1	
1-73	VMA6895	MOUNT PLATE (L)	1	
1-74	VMA6896	MOUNT PLATE (R)	1	
1-75	VXA5165	BIND FLEXIBLE UNIT	1	FOR AG-DS555P
1-75	VXA5308	BIND FLEXIBLE UNIT	1	FOR AG-DS545P
1-76	VXA3520	LED UNIT	1	
1-77	VMD0911	LED HOLDER	1	
1-78	VMB2020	EARTH SPRING	1	
1-79	GL450	SENSOR LED	1	
1-80	VMX1079	WASHER	2	
1-81	XTV26+6F	SCREW	14	
1-82	XTV2+4F	SCREW	2	
1-83	XYN26+K5	SCREW	2	
1-84	XSN3+3. 5	SCREW	2	
1-85	VHD0322	SCREW	1	
1-86	VHD0089B	SCREW	1	
1-87	XSN3+6FZ	SCREW	2	
1-88	VHN0063	NYLON NUT	1	
1-89	XWE4	WASHER	2	
1-90	VHD0374	SCREW	3	
1-91	VMX0653	CUT WASHER	2	
1-92	XWGV3D6G	WASHER	1	
1-93	VHD0045	NYLON NUT	1	
1-94	XWE3VW	WASHER	1	
1-95	VHD0425	SCREW	2	
1-96	XTV26+10F	SCREW	4	
1-97	VHD0133	SCREW	2	
1-98	XYN26+F6FZ	SCREW	1	
1-99	XTN3+6F	SCREW	1	
1-100	VHD0342	SCREW	3	
1-101	XTV2+6J	SCREW	1	
1-102	XYN26+C4	SCREW	2	
1-103	XTW3+8TR	SCREW	2	
1-104	XTV26+8F	SCREW	1	
1-105	VMX0653	CUT WASHER	11	

2. MOVING PARTS SECTION



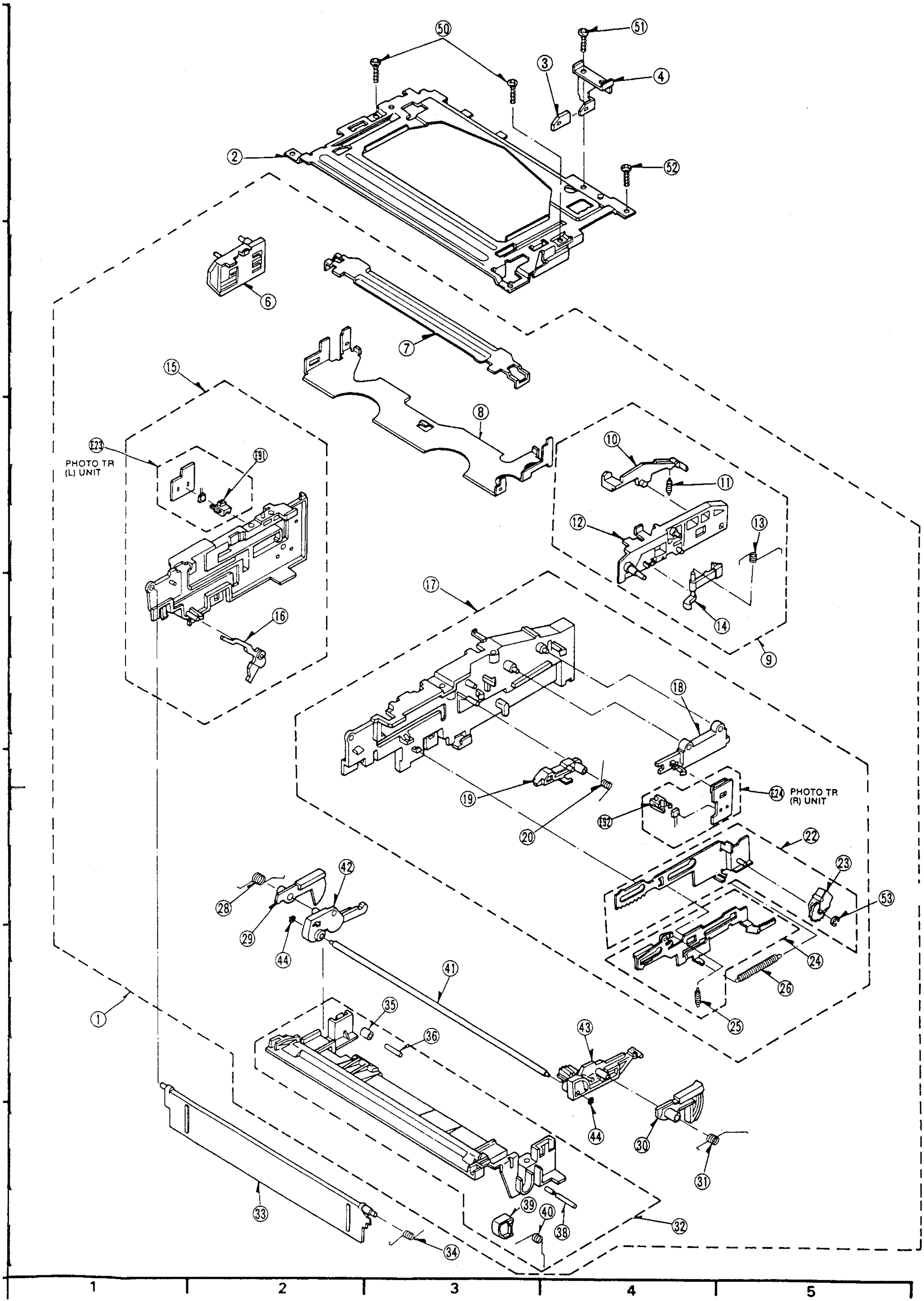
2. MOVING PARTS SECTION

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
2-1	VXP1082	WORM SHAFT UNIT	1	
2-2	VDV0228	LOADING BELT	1	<M><R>
2-3	VDG0581	WORM WHEEL	1	
2-4	VDG0582	INTERMEDIATE GEAR	1	
2-5	VXA3646	GEAR BASE (1) UNIT	1	
2-6	VXS0098	EARTH SPRING UNIT	1	
2-8	VXA4839	STATOR BASE UNIT	1	
2-9	VMD0611	FG SUPPORT (1)	2	
2-10	VMD0621	FG SUPPORT (2)	2	
2-11	HW300B	HOLE IC	2	<R>
2-12	VJP1230R	CONNECTOR (MALE)	1	
2-13	VJP3202A008Z	CONNECTOR (MALE)	1	
2-14	VJP1230T	CONNECTOR (MALE) 3P	1	
⚠ 2-15	VSJ0066	SOLENOID	1	
2-16	VXZ0270	MAIN BRAKE (S) UNIT	1	<R>
2-17	VMB1978	BRAKE SPRING	1	
2-18	VXZ0314	MAIN BLAKE (T) UNIT	1	<R>
2-23	VXR0187	TAKEUP REEL TABLE UNIT	1	<R>
2-24	VXR0225	SUPPLY REEL TABLE UNIT	1	<R>
⚠ 2-25	VEK6553	STATOR UNIT	1	
2-26	VBK0063	MR HEAD	1	<R>
2-27	VJP1902	CONNECTOR (MALE)	1	
2-28	VXP1456	ROTOR UNIT	1	
2-29	VMA6847	SUB PLATE	1	
2-30	VDG0580	CENTER GEAR	1	
2-31	VXP0878	RETANER GEAR UNIT	1	
2-32	VDG0342	RING GEAR	1	
2-33	VDG0578	MAIN CAM GEAR	1	
2-34	VDG0343	SUB CAM GEAR	1	
2-35	VXL1895	CAM FOLLOWER ARM UNIT	1	
2-36	VML1861	DETENT ARM	1	
2-37	VMM0218	MAIN ROD	1	
2-38	VXA3144	SECTOR GEAR UNIT	1	
2-39	VDG0579	LOADING CAM GEAR	1	
2-40	VDG0420	LOADING GEAR (T)	1	
2-41	VMB1555	LOADING SPRING (T)	1	
2-42	VDG0593	LOADING GEAR (S)	1	
2-43	VMB1746	LOADING SPRING (S)	1	
2-44	VXL1489	LOADING ARM (T)(1) UNIT	1	
2-45	VXL1487	LOADING ARM (S)(1) UNIT	1	
2-46	VML2304	CLEANING ROD	1	
2-47	VMA8003	MOUNT PLATE (B)	1	
2-70	XTV26+6F	SCREW	12	
2-71	VMX0653	CUT WASHER	2	
2-72	XYN2+F5	SCREW	2	
2-73	XSN26+4FX	SCREW	3	
2-74	XYEV0004	SCREW	3	
2-75	XYNV0015	SCREW	2	
2-76, 77	XUEV3VW	CUT WASHER	4	
2-78	XTV3+8F	SCREW	2	

3. CASSETTE COMPARTMENT SECTION

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
3-1	VXA5356	CASSETTE COMPERTMENT UNIT	1	<R>
3-2	VMA8166	TOP PLATE	1	
3-3	VMD1384	CASSETTE HOLDER CAP	1	
3-4	VMA7992	CASSETTE HOLDER ANGLE	1	
3-6	VMD1387	HOLDER GUIDE (L)	1	
3-7	VXA3691	HOLDER ANGLE UNIT	1	
3-8	VMA7989	CASSETTE HOLDER	1	
3-9	VXA3692	HOLDER GUIDE (R) UNIT	1	
3-10	VXA3840	DOOR OPEN LEVER	1	
3-11	VMB1584	DOOR OPEN LEVER SPRING	1	
3-12	VMD1386	HOLDER GUIDE (R)	1	
3-13	VMB2063	RELEASE SPRING	1	
3-14	VML2306	RELEASE LEVER	1	
3-15	VXA3694	SIDE PALTE (L) UNIT	1	
3-16	VML2305	OPENER LEVER	1	
3-17	VXA3693	SIDE PLATE (R) UNIT	1	
3-18	VSS0258	SLIDE SWITCH	1	<R>
3-19	VML2427	DOWN SUPPORT LEVER	1	
3-20	VMB1961	DOWN SUPPORT SPRING	1	
3-22	VXA3696	MAIN BACK UNIT	1	
3-23	VDG0737	DUMPER	1	
3-24	VXA3697	SUB RACK UNIT	1	
3-25	VMB1780	RACK C SPRING	1	
3-26	VMB1997	CLUTCH SPRING	1	
3-28	VMB1999	SUB WIPER SPRING (L)	1	
3-29	VML1878	SUB WIPER ARM (L)	1	
3-30	VML1879	SUB WIPER ARM (R)	1	
3-31	VMB1998	SUB WIPER SPRING (R)	1	
3-32	VXA4500	CASSETTE GUIDE UNIT	1	
3-33	VKF1273	BLINDER PANEL	1	
3-34	VMB1258	BLINDER SPRING	1	
3-35	VDP1398	CASSETTE ROLLER	1	
3-36	VMS5505	ROLLER SHAFT	1	
3-38	VMS4644	SHAFT	1	
3-39	VMD1773	CASSETTE SUPPORT	1	
3-40	VMB2329	SUPPORT SPRING	1	
3-41	VMS3182	MAIN SHAFT	1	
3-42	VML1876	WIPER ARM (L)	1	
3-43	VML1877	WIPER ARM (R)	1	
3-44	VHN0068	STOPPING WASHER	2	
3-50	XTV26+8G	SCREW	2	
3-51	XTV26+6F	SCREW	1	
3-52	XTV3+8G	SCREW	1	
3-53	XUC25FP	E RING	1	

. CASSETTE COMPARTMENT SECTION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E22
PHOTO TR (L) UNIT
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E24
PHOTO TR (R) UNIT
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VEP01559A / VEP01560A / VEP06904G / VEP06904H

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP01559A	POWER (1) C. B. A.	1	(RTL)
⚠ C1001, 02	VCK0260M332A	C. CAPACITOR 3300P	2	
⚠ C1003	ECQU2A224MN	P. CAPACITOR 100V 0. 22U	1	
⚠ C1006	VCK0260M152A	C. CAPACITOR 1500P	1	
⚠ D1001	D3SBA60	DIODE	1	
⚠ F1001	XBA1C40NB5	FUSE	1	
⚠ L1001	ELF18D605	COIL	1	
P1001	VJP2639	CONNECTOR (MALE)	1	
		MISCELLANEOUS		
E35	VJF0318	FUSE HOLDER	2	
E36	VMZ0429	FUSE COVER	1	
E37	VMZ0965	CAPACITOR COVER	1	
E44	VMZ1798	CAPACITOR COVER	1	
E45	VMZ1608	CAPACITOR COVER	2	
■ E2	VEP01560A	POWER (2) C. B. A.	1	(RTL)
C1008	ECEC2DC821DB	E. CAPACITOR 200V 820U	1	
C1009	ECEA2AGE100	E. CAPACITOR 100V 10U	1	
C1010	ECEA2DGE010	E. CAPACITOR 200V 1U	1	
C1013	ECQE6473MZ	P. CAPACITOR 630V 0. 047U	1	
C1014	ECKD2H151KB	C. CAPACITOR 500V 150P	1	
C1015	ECA1VXLV470	E. CAPACITOR 35V 47U	1	
C1016	ECCF1H271J	C. CAPACITOR 50V 270P	1	
C1017	ECKF1H102KB	C. CAPACITOR 50V 1000P	1	
C1018	ECA1CXLV221	E. CAPACITOR 16V 220U	1	
C1019	ECQB1H473JF	P. CAPACITOR 50V 0. 047U	1	
C1021, 22	ECA1AFZ332	E. CAPACITOR 10V 3300U	2	
C1023	ECA1CFQ152	E. CAPACITOR 16V 1500U	1	
C1024	ECQV1H564JL	P. CAPACITOR 50V 0. 56U	1	
C1025	ECCD2H101J	C. CAPACITOR 500V 100P	1	
C1026	ECA1EFZ122L	E. CAPACITOR 25V 1200U	1	
C1028	ECKF1H103ZF	C. CAPACITOR 50V 0. 01U	1	
C1029	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C1031	ECA1VFQ681	E. CAPACITOR 35V 680U	1	
C1032	ECCD2H101J	C. CAPACITOR 500V 100P	1	
C1033	ECEA1JFE560	E. CAPACITOR 63V 56U	1	
C1036	ECA1CFZ821	E. CAPACITOR 16V 820U	1	
C1038	ECCD2H101J	C. CAPACITOR 500V 100P	1	
C1039	ECA1EFZ331	E. CAPACITOR 25V 330U	1	
D1005	MA723	DIODE	1	
D1006	8P2M	DIODE	1	
D1007	VSD0002	DIODE	1	
D1008	FMB-24H	DIODE	1	
D1010, 11	FML-G12SP	DIODE	2	
D1012	VSD0001	DIODE	1	
D1013	RL2ZP	DIODE	1	
D1014	VSD0002	DIODE	1	
D1015	VSD0001	DIODE	1	
D1016	MA4200-H	DIODE	1	
D1017	31DQ04	DIODE	1	
D1019	RD120E	DIODE	1	
D1020	MA4360M	DIODE	1	
⚠ IC1001	STRM6543LF	IC	1	
IC1002	TL431CLP	IC	1	
L1003	VLP0074	COIL	1	
L1004	VLQ0605	COIL	1	
L1006	VLQ0354	COIL	1	
L1007, 08	VLQ0410	COIL	2	
L1009	EXCELSA35B	COIL	1	
P1002	VJP1153	CONNECTOR (MALE)	1	
P1003	VJP3088	CONNECTOR (MALE)	1	
⚠ Q1001	PS2561L1	TRANSISTOR-PHOTO COUPLER	1	
Q1002	2SD1474	TRANSISTOR	1	
R1004, 05	ERG3SJ563	M. RESISTOR 3W 56K	2	
R1006	ERDS2FJ221	C. RESISTOR 1/4W 220	1	
R1007	ERDS2FJ270	C. RESISTOR 1/4W 27	1	
R1008	ERDS2FJ220	C. RESISTOR 1/4W 22	1	
R1009	ERW1PKR18	W. RESISTOR 1W 0. 18	1	
R1010	ERDS2FJ152	C. RESISTOR 1/4W 1. 5K	1	
R1011	ERDS2FJ101	C. RESISTOR 1/4W 100	1	
R1012	ERDS2FJ103	C. RESISTOR 1/4W 10K	1	
R1013	ERDS2TJ271	C. RESISTOR 1/4W 270	1	
R1014	ERDS2TJ561	C. RESISTOR 1/4W 560	1	
R1015	ER0S2CKF2701	M. RESISTOR 1/4W 2. 7K	1	
R1016	ERDS2T0	C. RESISTOR 1/4W 0	1	
R1017	ER0S2CKF2201	M. RESISTOR 1/4W 2. 2K	1	
R1018, 19	ERDS2FJ333	C. RESISTOR 1/4W 33K	2	
R1020, 21	ERDS2FJ105	C. RESISTOR 1/4W 1M	2	
R1022	ERDS2FJ224	C. RESISTOR 1/4W 220K	1	
R1024	ERG1SJ271	M. RESISTOR 1W 270	1	
R1025	ERDS2FJ102	C. RESISTOR 1/4W 1K	1	
⚠ R1026	VSF0078	FUSE RESISTOR	1	
R1027	ER0S2CKG6202	M. RESISTOR 1/4W 62K	1	
R1028	ERX3SJ1R0	M. RESISTOR 3W 1	1	
R1030	ERDS2FJ3R9	C. RESISTOR 1/4W 3. 9	1	
R1031	ER0S2CKG2703	M. RESISTOR 1/4W 270K	1	
R1033	ER0S2CKG2703	M. RESISTOR 1/4W 270K	1	
R1034, 35	ERDS2FJ333	C. RESISTOR 1/4W 33K	2	
⚠ T1001	VLT0728	TRANSFORMER	1	
W9	VWJ0118	CABLE	1	
W12	VWJ0118	CABLE	1	
W14	VWJ0118	CABLE	1	
W18, 19	VWJ0118	CABLE	2	
W21, 22	VWJ0118	CABLE	2	
W24	VWJ0118	CABLE	1	
W26	VWJ0118	CABLE	1	
		MISCELLANEOUS		
E51	VSC3434	HEAT SINK	1	
E52	XYN3+F8	SCREW	1	
■ E3	VEP06904G	SERVO & SYSCON C. B. A.	1	(RTL) FOR AG-DS555P
■ E3	VEP06904H	SERVO & SYSCON C. B. A.	1	(RTL) FOR AG-DS545P
C1501	ECEA1VGE220	E. CAPACITOR 35V 22U	1	
C1502	ECQV1H104JL	P. CAPACITOR 50V 0. 1U	1	
C1503	ECEA1DPS681	E. CAPACITOR 20V 680U	1	
C1504	ECQV1H104JL	P. CAPACITOR 50V 0. 1U	1	
C1505	ECEA1AGE221	E. CAPACITOR 10V 220U	1	
C1506	ECEA1CU101	E. CAPACITOR 16V 100U	1	
C1507	ECUM1H103ZFN	C. CAPACITOR CH 50V 0. 01U	1	
C1508	ECQV1H104JL	P. CAPACITOR 50V 0. 1U	1	
C1509, 10	ECEA1CU101	E. CAPACITOR 16V 100U	2	
C1511	ECEA1HU4R7	E. CAPACITOR 50V 4. 7U	1	
C1512	ECEA1CU101	E. CAPACITOR 16V 100U	1	
C1513	ECQB1H103JF	P. CAPACITOR 50V 0. 01U	1	
C1514	ECQB1H473JF	P. CAPACITOR 50V 0. 047U	1	
C1515	ECUM1H223KBN	C. CAPACITOR CH 50V 0. 022U	1	
C1517	ECEA1AU221	E. CAPACITOR 10V 220U	1	
C1518	ECEA1VU100	E. CAPACITOR 35V 10U	1	
C1519	ECEA1EGE470	E. CAPACITOR 25V 47U	1	
C1520	ECEA1EGE221	E. CAPACITOR 25V 220U	1	
C1521	ECEA1EGE470	E. CAPACITOR 25V 47U	1	
C1522	ECEA1CGE102	E. CAPACITOR 16V 1000U	1	
C1523	ECEA1EGE470	E. CAPACITOR 25V 47U	1	
C1524	ECEA1EGE221	E. CAPACITOR 25V 220U	1	
C1525	ECEA1AGE101	E. CAPACITOR 10V 100U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
26	ECEA1AGE471	E. CAPACITOR 10V 470U	1	
27	ECEA1EGE221	E. CAPACITOR 25V 220U	1	
C1529	ECEA1EGE471	E. CAPACITOR 25V 470U	1	
C1530	ECEA1VGE220	E. CAPACITOR 35V 22U	1	
31	ECA0JFQ102	E. CAPACITOR 6.3V 1000U	1	
32	ECEA1AGE221	E. CAPACITOR 10V 220U	1	
33	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C1534	ECEA1EGE221	E. CAPACITOR 25V 220U	1	
C1541	ECEA1AGE101	E. CAPACITOR 10V 100U	1	
42	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
01	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2002	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C2003	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	
04	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
05	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
06	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C2007	ECEA1AU330	E. CAPACITOR 10V 33U	1	
C2008	ECQB1H683JF	P. CAPACITOR 50V 0.068U	1	
09	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
10	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
11	ECEA1AU220	E. CAPACITOR 10V 22U	1	
C2012	ECEA1CU470	E. CAPACITOR 16V 47U	1	
C2013-15	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	3	
16, 17	ECEA0JU470	E. CAPACITOR 6.3V 47U	2	
18	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C2019	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2020	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
21	ECQB1H152JF	P. CAPACITOR 50V 1500P	1	
22	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
23	ECQV1H184JL	P. CAPACITOR 50V 0.18U	1	
C2024	ECUM1H102JN	C. CAPACITOR CH 50V 1000P	1	AG-DS555P ONLY
C2025	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
26	ECEA1HU010	E. CAPACITOR 50V 1U	1	AG-DS555P ONLY
27	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2028	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C2029, 30	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	2	
31	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
32	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
33, 34	ECEA1CU100	E. CAPACITOR 16V 10U	2	
C2035	ECEA1HUR47	E. CAPACITOR 50V 0.47U	1	
C2041	ECUM1H121JCN	C. CAPACITOR CH 50V 120P	1	
44, 45	ECUM1H271JCN	C. CAPACITOR CH 50V 270P	2	
46	ECEA1HUR47	E. CAPACITOR 50V 0.47U	1	AG-DS555P ONLY
C2047	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C2050	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C2201	ECEA0JGE470	E. CAPACITOR 6.3V 47U	1	
202, 03	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
204, 05	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	2	
C2206	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2207, 08	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
209, 10	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	2	
214	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
215	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C2216	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2217, 18	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
219	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
220, 21	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C2222	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2223, 24	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
225	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
226	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
227	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2228-30	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	3	
C2231	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
232-34	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	3	
235	ECUM1H820JCN	C. CAPACITOR CH 50V 82P	1	
C2236	ECQB1H333JF	P. CAPACITOR 50V 0.033U	1	
C2237, 38	ECEA0JU470	E. CAPACITOR 6.3V 47U	2	
239-41	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	3	
243	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
244	ECEA1CU100	E. CAPACITOR 16V 10U	1	
C2245-47	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	3	
C2318, 19	ECEA0JU470	E. CAPACITOR 6.3V 47U	2	
2320	ECUM1H222KBN	C. CAPACITOR CH 50V 2200P	1	
2321	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2322	ECEA1HN4R7S	E. CAPACITOR 50V 4.7U	1	
C2323	ECUM1H561JCN	C. CAPACITOR CH 50V 560P	1	
C2327, 28	ECEA0JU470	E. CAPACITOR 6.3V 47U	2	
C2330	ECQP1H103JZ	P. CAPACITOR 50V 0.03U	1	
C2331	ECQB1H104JF	P. CAPACITOR 50V 0.1U	1	
C2335, 36	ECEA0JU470	E. CAPACITOR 6.3V 47U	2	
C2338	ECQB1H103JF	P. CAPACITOR 50V 0.01U	1	
C2339	ECUM1H331JCN	C. CAPACITOR CH 50V 330P	1	
C2340-42	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	3	
C2343, 44	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	AG-DS555P ONLY
C2350	ECEA1CU470	E. CAPACITOR 16V 47U	1	AG-DS555P ONLY
C2351	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C2352, 53	ECEA1CU470	E. CAPACITOR 16V 47U	2	AG-DS555P ONLY
C2354	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C2355	ECEA1HU010	E. CAPACITOR 50V 1U	1	AG-DS555P ONLY
C2401, 02	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C2403	ECEA1CU470	E. CAPACITOR 16V 47U	1	
C2404, 05	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	2	
C2406-09	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	4	
C2410	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2501	ECQB1H473JF	P. CAPACITOR 50V 0.047U	1	
C2502	ECQB1H222JF	P. CAPACITOR 50V 2200P	1	
C2503	ECQB1H273JF	P. CAPACITOR 50V 0.027U	1	
C2504	ECQB1H222JF	P. CAPACITOR 50V 2200P	1	
C2510	ECEA1CU470	E. CAPACITOR 16V 47U	1	
C2512-14	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	3	
C2516-19	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	4	
C2701	ECEA1CU101	E. CAPACITOR 16V 100U	1	
C2702	ECUM1H820JCN	C. CAPACITOR CH 50V 82P	1	
C2703	ECUM1H561JCN	C. CAPACITOR CH 50V 560P	1	
C2704	ECUM1H271JCN	C. CAPACITOR CH 50V 270P	1	
C2705	ECEA1HU010	E. CAPACITOR 50V 1U	1	
C2709	ECEA1HU010	E. CAPACITOR 50V 1U	1	
C2710	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C2711	ECQB1H222JF	P. CAPACITOR 50V 2200P	1	
C2712	ECEA1EU221	E. CAPACITOR 25V 220U	1	
C2714	ECQV1H474JL	P. CAPACITOR 50V 0.47U	1	
C2716, 17	ECEA1EU101	E. CAPACITOR 25V 100U	2	
C2718	ECQV1H474JL	P. CAPACITOR 50V 0.47U	1	
C2722	ECUM1H102JN	C. CAPACITOR CH 50V 1000P	1	
C2723	ECEA1EU221	E. CAPACITOR 25V 220U	1	
C2724	ECUM1H102JN	C. CAPACITOR CH 50V 1000P	1	
C2725	ECEA1EU221	E. CAPACITOR 25V 220U	1	
C2726	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2727-30	ECQV1H104JL	P. CAPACITOR 50V 0.1U	4	
C2731-33	ECEA1HN4R7S	E. CAPACITOR 50V 4.7U	3	
C2734	ECQB1H473JF	P. CAPACITOR 50V 0.047U	1	
C2735	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2736	ECQB1H683JF	P. CAPACITOR 50V 0.068U	1	
C2737	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C2738	ECEA1CU470	E. CAPACITOR 16V 47U	1	
C2739	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2740	ECEA1EU470	E. CAPACITOR 25V 47U	1	
C2741	ECUM1H333KBN	C. CAPACITOR CH 50V 0.033U	1	
C2742	ECQB1H104JF	P. CAPACITOR 50V 0.1U	1	
C2744-46	ECEA1HU2R2	E. CAPACITOR 50V 2.2U	3	
C2747-50	ECUM1H333KBN	C. CAPACITOR CH 50V 0.033U	4	
C2751-53	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	3	
C2754	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2755-57	ECUM1H102JN	C. CAPACITOR CH 50V 1000P	3	
C2758	ECEA1HNR47S	E. CAPACITOR 50V 0.47U	1	
C2759	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C2760	ECEA1HN2R2S	E. CAPACITOR 50V 2.2U	1	
C2761	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C2762	ECEA1HU2R2	E. CAPACITOR 50V 2.2U	1	
C2763	ECEA0JU470	E. CAPACITOR 6.3V 47U	1	
C2764	ECEA0JU220	E. CAPACITOR 6.3V 22U	1	
C2765	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C2766	ECEA1HN2R2S	E. CAPACITOR 50V 2.2U	1	
C2767	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C2768	ECEA1HU2R2	E. CAPACITOR 50V 2.2U	1	
C2769, 70	ECUM1H102JN	C. CAPACITOR CH 50V 1000P	2	
C2793	ECEA1HU4R7	E. CAPACITOR 50V 4.7U	1	
C2804, 05	ECEA1EU472	E. CAPACITOR 25V 4700U	2	
C2806	ECEA1HU4R7	E. CAPACITOR 50V 4.7U	1	

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
C60001	ECUM1H103ZFN	C. CAPACITOR CH 50V 0. 01U	1	
C60002, 03	ECEA1CU102	E. CAPACITOR 16V 1000U	2	
C60005	ECEA0JU332	E. CAPACITOR 6. 3V 3300U	1	
C60006	ECUM1H103ZFN	C. CAPACITOR CH 50V 0. 01U	1	
C60007	ECEA1HU010	E. CAPACITOR 50V 1U	1	
C60008	ECEA0JU470	E. CAPACITOR 6. 3V 47U	1	
C60009	ECEA0JU332	E. CAPACITOR 6. 3V 3300U	1	
C60010	ECQB1H333JF	P. CAPACITOR 50V 0. 033U	1	AG-DS555P ONLY
C60011	ECQB1H472JF	P. CAPACITOR 50V 4700P	1	AG-DS555P ONLY
C60012	ECQB1H103JF	P. CAPACITOR 50V 0. 01U	1	AG-DS555P ONLY
C60013	ECEA1CU100	E. CAPACITOR 16V 10U	1	AG-DS555P ONLY
C60016	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C60017	ECUM1H103ZFN	C. CAPACITOR CH 50V 0. 01U	1	AG-DS555P ONLY
C60018, 19	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	2	
C60020	ECEA1HU010	E. CAPACITOR 50V 1U	1	
C60021	ECEA1HU4R7	E. CAPACITOR 50V 4. 7U	1	
C60022	ECEA1AU220	E. CAPACITOR 10V 22U	1	
C60023	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C60024	ECEA0JU682	E. CAPACITOR 6. 3V 6800U	1	
C60026	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C60027	ECUM1H103ZFN	C. CAPACITOR CH 50V 0. 01U	1	
C60101	ECUM1H103ZFN	C. CAPACITOR CH 50V 0. 01U	1	
C60102	ECEA1CU470	E. CAPACITOR 16V 47U	1	
C60103-06	ECQB1H102JF	P. CAPACITOR 50V 1000P	4	
C60107	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
C60108	ECEA1CU221	E. CAPACITOR 16V 220U	1	
C60109	ECUM1H103ZFN	C. CAPACITOR CH 50V 0. 01U	1	
C60110, 11	ECEA1CU100	E. CAPACITOR 16V 10U	2	
C60112	ECEA1CU470	E. CAPACITOR 16V 47U	1	
C60501	ECEA1EU4R7	E. CAPACITOR 25V 4. 7U	1	
C60502	ECQB1H104JF	P. CAPACITOR 50V 0. 1U	1	
C60503	ECEA1HN010S	E. CAPACITOR 50V 1U	1	
C60504	ECUM1H103ZFN	C. CAPACITOR CH 50V 0. 01U	1	
C60505	ECEA1EN101S	E. CAPACITOR 25V 100U	1	
C60506	ECEA1CU101	E. CAPACITOR 16V 100U	1	
C60507	ECEA0JU470	E. CAPACITOR 6. 3V 47U	1	
C60508, 09	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	2	
D1502-04	MA151K	DIODE	3	
D1505	MA701A	DIODE	1	
D1507	MA151K	DIODE	1	
D1508	MA3020	DIODE	1	
D1509	8P2M	DIODE	1	
D1510	MA165	DIODE	1	
D1511	MA151K	DIODE	1	
D1512	VSD0002	DIODE	1	
D1513	AK04	DIODE	1	
D1514	MA1270-M	DIODE	1	
D1515	MA185	DIODE	1	
D1516	MA4075M	DIODE	1	
D1517	MA4130-M	DIODE	1	
D1518	MA4120-M	DIODE	1	
D1519, 20	MA151K	DIODE	2	
D1522	MA3160-L	DIODE	1	
D1523	11EQS04	DIODE	1	
D1524	MA4047-M	DIODE	1	
D1525, 26	MA723VT	DIODE	2	
D1528	MA4056-M	DIODE	1	
D1529	MA165	DIODE	1	
D1530	MA4075M	DIODE	1	
D1531	MA151K	DIODE	1	
D1532	MA3068-M	DIODE	1	
D1541	MA3091-M	DIODE	1	
D1542	MA4039	DIODE	1	
D1543, 44	MA151K	DIODE	2	
D2001	MA151K	DIODE	1	AG-DS555P ONLY
D2002	MA151WA	DIODE	1	
D2003	MA151K	DIODE	1	
D2006	MA151WA	DIODE	1	
D2007, 08	MA151K	DIODE	2	
D2308	MA151K	DIODE	1	
D2309	MA151WK	DIODE	1	
D2310	MA153	DIODE	1	AG-DS555P ONLY
D2401	MA151K	DIODE	1	
D2501, 02	MA151K	DIODE	2	

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
D2701	MA4180-L	DIODE	1	
D2703	MA4160-L	DIODE	1	
D2704	11DQ04	DIODE	1	
D2705	MA151K	DIODE	1	
D2715, 16	11DQ04	DIODE	2	
D2717-19	11EQS04	DIODE	3	
D2720	MA153	DIODE	1	
D2721	11EQS04	DIODE	1	
D2722	MA153	DIODE	1	
D2723	11EQS04	DIODE	1	
D2727	11EQS04	DIODE	1	
D2734, 35	MA4160-L	DIODE	2	
D2736-38	MA4160-M	DIODE	3	
D2741, 42	MA4062M	DIODE	2	
D2743	MA723VT	DIODE	1	
D60001	11EQS04	DIODE	1	
D60002	MA170	DIODE	1	
D60003-06	11EQS04	DIODE	4	
D60008	MA3043-M	DIODE	1	
D60009	11ES1	DIODE	1	
D60501, 02	MA151K	DIODE	2	
D60503	10E1	DIODE	1	
D60504	MA151K	DIODE	1	
D60505	MA170	DIODE	1	
D60506	MA151K	DIODE	1	
FA2202	VLF1036D101	FILTER	1	
FL2201-06	VLF0634	FILTER	6	
FL60001	VLF0630	FILTER	1	AG-DS555P ONLY
IC1501	LM393PS	IC	1	
IC1502	AN7912F	IC	1	
IC1503	AN7905F	IC	1	
IC1505, 06	TL431CLP	IC	2	
IC2001	MN6742VMEY	IC	1	
IC2002	MN1382-R	IC	1	
IC2003	BA226F	IC	1	
IC2004	MC14052BF	IC	1	
IC2005	MC14013BF	IC	1	
IC2006	TC4S30F	IC	1	
IC2007, 08	MN53015VZW	IC	2	
IC2009	TC4W53F	IC	1	
IC2010	LM339NS	IC	1	
IC2012	MC74HCU04F	IC	1	
IC2013	LM358PS	IC	1	
IC2014	TC7S32F	IC	1	
IC2201	MN19041VSWA	IC	1	
IC2202	L7A0269	IC	1	
IC2203	PCM55HP	IC	1	
IC2206	MC14050BF	IC	1	
IC2207	LM358PS	IC	1	
IC2302	NJM4556MB	IC	1	
IC2303	LM358PS	IC	1	
IC2304	LM393PS	IC	1	
IC2305	MC14053BF	IC	1	
IC2310	BA6302AF	IC	1	
IC2311	MC14053BF	IC	1	AG-DS555P ONLY
IC2312	MC14013BF	IC	1	AG-DS555P ONLY
IC2401	MC14013BF	IC	1	
IC2402	TC4W53F	IC	1	
IC2403, 04	TC7S02F	IC	2	AG-DS555P ONLY
IC2405	TC7S08F	IC	1	AG-DS555P ONLY
IC2406	M50927-531SP	IC	1	
IC2501, 02	LM324NS	IC	2	
IC2503	LM393PS	IC	1	
IC2505	MC14053BF	IC	1	
IC2506	MC14052BF	IC	1	
IC2507	MC14053BF	IC	1	
IC2701	BA6149LS	IC	1	
IC2703	AN3815K	IC	1	
IC2704	XRA6435S	IC	1	
IC2705	LM393PS	IC	1	
IC2706	LM358PS	IC	1	
IC2707	LM393PS	IC	1	

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
708	LM358PS	IC	1	
709	LM393PS	IC	1	
IC2710, 11	UPC4556G2	IC	2	
IC2715	AN78N12	IC	1	
0001	TD62503F	IC	1	
0002	MN188166VCTM	IC	1	
0003	MN1382-R	IC	1	
IC60007	LM358PS	IC	1	
IC60101	LM324NS	IC	1	
0501	LM393PS	IC	1	
0502	M54649L	IC	1	
IC60503	MN1382-R	IC	1	
01	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
03	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
05	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
J2201	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
J2203	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
06	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
01	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
0001	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
J60004	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
501	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
502	ERDS2T0	C. RESISTOR 1/4W 0	1	
L1501	VLQEL06F101K	COIL 100UH	1	
502, 03	VLP0074	COIL	2	
001, 02	VLQEL05S470J	COIL	2	
004-06	VLQEL05S470J	COIL	3	
L2007	VLP0054	COIL	1	
L2008	VLQEL05S470J	COIL	1	
201, 02	VLQEL05S2R2K	COIL	2	
203-05	VLP0054	COIL	3	
L2206, 07	VLQEL05S2R2K	COIL	2	
L2208	VLQEL05S470J	COIL	1	
301-03	VLQEL05S470J	COIL	3	
304	VLQEL05S470J	COIL	1	AG-DS555P ONLY
401	VLQEL05S470J	COIL	1	
L2502	VLQEL05S470J	COIL	1	
L2701	VLQ0128	COIL	1	
702-04	VLQ0129	COIL 300UH	3	
705	VLQEL05S470J	COIL	1	
L2707	VLQEL05S470J	COIL	1	
L2711	VLQEL05S470J	COIL	1	
0001	VLQEL05S471K	COIL	1	AG-DS555P ONLY
0002	VLQEL05S470J	COIL	1	
0501	VLQEL05S150K	COIL	1	
P1501	VJP1146T	CONNECTOR (MALE)	1	
502	VJP3076	CONNECTOR (MALE)	1	
503	VJP1147	CONNECTOR (MALE)	1	
2201-03	VJS3202B020Z	CONNECTOR (FEMALE)	3	
P2301	VJP1230T	CONNECTOR (MALE) 3P	1	
2701	VJP3078	CONNECTOR (MALE)	1	
2702	VJP3083	CONNECTOR (MALE)	1	
2703	VJS2149W	CONNECTOR (FEMALE)	1	
P60001	VJP1230R	CONNECTOR (MALE)	1	AG-DS555P ONLY
P60003	VJS3135	CONNECTOR (FEMALE)	1	
30501	VJS2149W	CONNECTOR (FEMALE)	1	
30502	VJP1230T	CONNECTOR (MALE) 3P	1	
30503	VJS3134	CONNECTOR (FEMALE)	1	
Q1501	2SD1474	TRANSISTOR	1	
1502	2SD973A	TRANSISTOR	1	
1503	2SD1474	TRANSISTOR	1	
Q1504	2SD1273	TRANSISTOR	1	
Q1505	2SD973A	TRANSISTOR	1	
2001	MSC2295	TRANSISTOR	1	
2303-05	MSD601	TRANSISTOR	3	
2302	MSD601	TRANSISTOR	1	AG-DS555P ONLY
Q2703	MSB709	TRANSISTOR	1	
Q2704	2SB1151	TRANSISTOR	1	
2705-07	2SD601A-R	TRANSISTOR	3	
2709-11	2SB772	TRANSISTOR	3	

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
Q2713-16	MSB709	TRANSISTOR	4	
Q60001	2SD638-R	TRANSISTOR	1	
Q60002	MSB709	TRANSISTOR	1	
Q60003	2SB819	TRANSISTOR	1	
Q60004	MSD601	TRANSISTOR	1	
Q60005	2SB819	TRANSISTOR	1	
Q60006	MSD601	TRANSISTOR	1	
Q60007	MSD602	TRANSISTOR	1	
Q60008	2SD636	TRANSISTOR	1	AG-DS555P ONLY
Q60501-03	MSD601	TRANSISTOR	3	
Q60504	2SB819	TRANSISTOR	1	
Q60505	MSD601	TRANSISTOR	1	
Q60506	2SD1273-Q	TRANSISTOR	1	
Q60507	MSD601	TRANSISTOR	1	
Q60508	2SB941	TRANSISTOR	1	
Q60509	MSD601	TRANSISTOR	1	
QR1502	MRN2402	TRANSISTOR-RESISTOR	1	
QR1503	MRN1402	TRANSISTOR-RESISTOR	1	
QR1541	UN2219	TRANSISTOR-RESISTOR	1	
QR2003	MRN1404	TRANSISTOR-RESISTOR	1	
QR2005	MRN1404	TRANSISTOR-RESISTOR	1	
QR2304, 05	MRN2402	TRANSISTOR-RESISTOR	2	
QR2306	MRN1404	TRANSISTOR-RESISTOR	1	
QR2308	MRN1404	TRANSISTOR-RESISTOR	1	
QR2309	MRN2404	TRANSISTOR-RESISTOR	1	
QR2310	MRN1403	TRANSISTOR	1	AG-DS555P ONLY
QR2311, 12	MRN1404	TRANSISTOR-RESISTOR	2	AG-DS555P ONLY
QR2313	MRN2404	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR2314	MRN1404	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR2401	MRN1404	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR2402	MRN2404	TRANSISTOR-RESISTOR	1	
QR2501-05	MRN1404	TRANSISTOR-RESISTOR	5	
QR2701	MRN1404	TRANSISTOR-RESISTOR	1	
QR2702	MRN2404	TRANSISTOR-RESISTOR	1	
QR2703	MRN1404	TRANSISTOR-RESISTOR	1	
QR2704	MRN1403	TRANSISTOR	1	
QR60001	MRN2402	TRANSISTOR-RESISTOR	1	
QR60002	MRN1403	TRANSISTOR	1	
QR60003	MRN2402	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR60004	MRN1404	TRANSISTOR-RESISTOR	1	
QR60006, C	MRN1404	TRANSISTOR-RESISTOR	2	
QR60008	MRN1404	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR60010	MRN1404	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR60012	UN2219	TRANSISTOR-RESISTOR	1	
QR60013	MRN1402	TRANSISTOR-RESISTOR	1	
QR60501	MRN1402	TRANSISTOR-RESISTOR	1	
QR60502	UN211F	TRANSISTOR-RESISTOR	1	
QR60503	MRN1404	TRANSISTOR-RESISTOR	1	
R1501	ERDS2TJ181	C. RESISTOR 1/4W 180	1	
R1502	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R1504	ERDS2TJ181	C. RESISTOR 1/4W 180	1	
R1505	VRE0034E103	M. RESISTOR CH 1/10W 10K	1	
R1506	VRE0034E473	M. RESISTOR CH 1/10W 47K	1	
R1507	VRE0034E222	M. RESISTOR CH 1/10W 2. 2K	1	
R1509	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R1510	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
R1511	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R1512-14	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	3	
R1515	ERDS2TJ222	C. RESISTOR 1/4W 2. 2K	1	
R1516-18	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	3	
R1519	ERDS2TJ333	C. RESISTOR 1/4W 33K	1	
R1520	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R1521	ERDS2TJ221	C. RESISTOR 1/4W 220	1	
R1522	ERDS2TJ181	C. RESISTOR 1/4W 180	1	
R1525	ERDS2TJ222	C. RESISTOR 1/4W 2. 2K	1	
R1526, 27	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	2	
R1528, 29	ERDS2TJ181	C. RESISTOR 1/4W 180	2	
R1531	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R1532	VRE0034E562	M. RESISTOR CH 1/10W 5. 6K	1	
R1533	VRE0034E392	M. RESISTOR CH 1/10W 3. 9K	1	
R1534	VRE0034E222	M. RESISTOR CH 1/10W 2. 2K	1	
R1535	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	
R1536	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1541,42	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R2001	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2002	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2003	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	AG-DS555P ONLY
R2004	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R2005-07	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R2008	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R2009,10	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R2013	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R2017,18	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R2019	ERJ6GEYF124	M.RESISTOR CH 1/10W 120K	1	
R2020	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2021	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R2022	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2023	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	AG-DS555P ONLY
R2024,25	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	AG-DS555P ONLY
R2026	ERJ6GEYG184	M.RESISTOR CH 1/10W 180K	1	AG-DS555P ONLY
R2027	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R2028	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R2029	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2030	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R2031	ERJ6GEYG241	M.RESISTOR CH 1/10W 240	1	
R2032	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R2033	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2036	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R2046	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2047	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R2048	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2049	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2051	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	AG-DS555P ONLY
R2054-56	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	3	
R2059,60	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R2062	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R2064	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2067	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2201	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R2202	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R2203	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R2205,06	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R2207	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2208	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2211	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R2212	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2213-18	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	6	
R2220-23	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	4	
R2240	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R2241	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2242	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R2243,44	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R2331	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R2332	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	AG-DS555P ONLY
R2333	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R2334	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2335	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R2336	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R2337	ERJ6GEYG242	M.RESISTOR CH 1/10W 2.4K	1	
R2338	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R2339	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2340,41	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	2	
R2342	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R2343	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R2344	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R2345	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2346	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R2347	ERJ6GEYF124	M.RESISTOR CH 1/10W 120K	1	
R2352	ERJ6GEYG752	M.RESISTOR CH 1/10W 7.5K	1	
R2353,54	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R2355	ERJ6GEYG752	M.RESISTOR CH 1/10W 7.5K	1	
R2356	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2357,58	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	2	
R2359	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2360,61	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	
R2362	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R2363	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2364	ERJ6GEYG913	M.RESISTOR CH 1/10W 91K	1	
R2370,71	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R2372	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	AG-DS555P ONLY
R2373	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	AG-DS555P ONLY
R2374	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	AG-DS555P ONLY
R2375	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	AG-DS555P ONLY
R2376	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	AG-DS555P ONLY
R2377	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	AG-DS555P ONLY
R2378	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	AG-DS555P ONLY
R2379	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2380	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	AG-DS555P ONLY
R2381	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	AG-DS555P ONLY
R2401	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R2402,03	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	
R2404,05	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	AG-DS555P ONLY
R2406	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R2407,08	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R2409	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2410	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R2411	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2501	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R2502	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2503	ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R2504	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R2505	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2506	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R2507-15	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	9	
R2516	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R2517	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R2518-20	ERJ6GEYF124	M.RESISTOR CH 1/10W 120K	3	
R2521	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R2522	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2523,24	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R2701	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R2709,10	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R2711	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R2712	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2713	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R2714-17	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	4	
R2718	ERG2SJ561	M.RESISTOR 2W 560	1	
R2719	ERDS2TJ270	C.RESISTOR 1/4W 27	1	
R2725	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2727	ERDS2TJ150	C.RESISTOR 1/4W 15	1	
R2729	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2730	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2731	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2732	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2733	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2734	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2735	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2736	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2738,39	ERDS2TJ150	C.RESISTOR 1/4W 15	2	
R2740	ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2743	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R2747	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2748	ERJ6GEYF124	M.RESISTOR CH 1/10W 120K	1	
R2751	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2752-54	ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2755	ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2756	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R2757	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2758	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2759	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R2760	ERJ6GEYG184	M.RESISTOR CH 1/10W 180K	1	
R2761,62	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R2763,64	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R2765	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2766	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2767	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R2768	ERJ6GEYG184	M.RESISTOR CH 1/10W 180K	1	
R2769,70	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R2771,72	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R2773,74	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R2775	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R2776	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R2777	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
78-82	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	5	
83	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R2784	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R2785	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
86, 87	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
88	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
89	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	
R2790	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
R2791	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
92	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
93	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
94	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	
R2795	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
96	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
99, 00	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	2	
03	ERG2SJ221	M. RESISTOR 2W 220	1	
R2821	ERDS2TJ682	C. RESISTOR 1/4W 6.8K	1	
R2828, 29	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	2	
30	ERDS2TJ391	C. RESISTOR 1/4W 390	1	
31	ERDS2TJ561	C. RESISTOR 1/4W 560	1	
32	ERDS2TJ562	C. RESISTOR 1/4W 5.6K	1	
R2833	ERDS2TJ391	C. RESISTOR 1/4W 390	1	
34	ERDS2TJ182	C. RESISTOR 1/4W 1.8K	1	
35	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
36	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R2838, 39	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
R2840	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
41	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
42, 43	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
44	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R2845	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R2846-48	ERJ6GEYG271	M. RESISTOR CH 1/10W 270	3	
49	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
50	ERDS2TJ102	C. RESISTOR 1/4W 1K	1	
R2862, 63	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	2	
R60001	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
002	ERD2FCG220	C. RESISTOR 2W 22	1	
003	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
004	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	
R60005	ERJ6GEYG272	M. RESISTOR CH 1/10W 2.7K	1	
R60006	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
007	ERJ6GEYG272	M. RESISTOR CH 1/10W 2.7K	1	
008	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
009	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	
R60010	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
011	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
012	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
013	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R60015	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R60016	ERJ6GEYG272	M. RESISTOR CH 1/10W 2.7K	1	
017, 18	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
019	ERDS2TJ472	C. RESISTOR 1/4W 4.7K	1	
020	ERDS2TJ471	C. RESISTOR 1/4W 470	1	
R60021-24	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	4	
025	ERDS2TJ333	C. RESISTOR 1/4W 33K	1	AG-DS555P ONLY
026-29	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	4	
030	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R60031	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R60032-35	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	4	
△ 037	ERD2FCJ4R7P	C. RESISTOR 2W 4.7	1	
038	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
039	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R60040	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	AG-DS555P ONLY
R60043, 44	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	2	
045	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
046	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R60047	ERG1SJ330	M. RESISTOR 1W 33	1	
R60048, 49	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	2	AG-DS555P ONLY
055	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
056	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
057	ERJ6GEYF822	M. RESISTOR CH 1/10W 8.2K	1	
R60058	ERJ6GEYF393	M. RESISTOR CH 1/10W 39K	1	
R60059	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
060	ERJ6GEYJ684	M. RESISTOR CH 1/10W 680K	1	
01	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R60102	ERJ6GEYG302	M. RESISTOR CH 1/10W 3K	1	
R60103-05	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	3	
R60106	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	
R60107	ERJ6GEYG823	M. RESISTOR CH 1/10W 82K	1	
R60108-11	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	4	
R60501	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R60502, 03	ERJ6GEYG153	M. RESISTOR CH 1/10W 15K	2	
R60504	ERJ6GEYG181	M. RESISTOR CH 1/10W 180	1	
R60505	ERJ6GEYG122	M. RESISTOR CH 1/10W 1.2K	1	
R60506	ERJ6GEYG182	M. RESISTOR CH 1/10W 1.8K	1	
R60507, 08	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	2	
R60509	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R60510, 11	ERJ6GEYG272	M. RESISTOR CH 1/10W 2.7K	2	
R60512	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R60513	ERJ6GEYG121	M. RESISTOR CH 1/10W 120	1	
R60514	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	
R60515	ERJ6GEYG474	M. RESISTOR CH 1/10W 470K	1	
R60516	ERJ6GEYG682	M. REISITOR CH 1/10W 6.8K	1	
R60517, 18	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	2	
R60519	ERJ6GEYG181	M. RESISTOR CH 1/10W 180	1	
R60520, 21	ERJ6GEYG682	M. REISITOR CH 1/10W 6.8K	2	
R60522	ERJ6GEYG562	M. RESISTOR CH 1/10W 5.6K	1	
R60523	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
R60524	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R60525	ERDS2TJ151	C. RESISTOR 1/4W 150	1	
R60526	ERJ6GEYG683	M. RESISTOR CH 1/10W 68K	1	
R60527, 28	ERG1SJ300	M. RESISTOR 1W 30	2	
R60529	ERJ6GEYG682	M. REISITOR CH 1/10W 6.8K	1	
R60530	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
T1501	ETE13K86AY	TRANSFORMER	1	
T60001	EIQ7QF002B	TRANSFORMER	1	AG-DS555P ONLY
VR2001	EVN32CA00B54	V. RESISTOR 50K	1	
VR2003	EVN32CA00B15	V. RESISTOR 1M	1	
W2001, 02	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	2	AG-DS545P ONLY
W2301	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	AG-DS545P ONLY
X2001	VSX0296	CRYSTAL OSCILLATOR	1	
X2002	VSX0060	CRYSTAL OSCILLATOR	1	
X2201	VSX0197	CRYSTAL OSCILLATOR	1	
X2401	VSX0086	CRYSTAL OSCILLATOR	1	
X2701	VSX0136	CRYSTAL OSCILLATOR	1	
X60001	VSX0230	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
E43	VMX0985	SPACER	2	
E52	XYN3+F8	SCREW	2	
E80	VSC4042	HEAT SINK	2	
E84	VMC0493	HEAT SINK SPRING	1	
E82	VMC0075	HEAT SINK SPRING	1	
E81	VSC1215	HEAT SINK	1	
E42	VJF0816	CORD CLAMPER	1	
	VWJ18AW105M1	FLEXIBLE CABLE	1	
	VWJ04CN150CA	FLEXIBLE CABLE	1	
	VSC1689	HEAT SINK	1	
■ E4	VEP00V07E	MOTHER C.B.A.	1	(RTL) FOR AG-DS555P
■ E4	VEP00V07F	MOTHER C.B.A.	1	(RTL) FOR AG-DS545P
P910	VJP1147	CONNECTOR (MALE)	1	
P921-23	VJP3203A020Z	CONNECTOR (MALE)	3	
P931	VJS2898A100	CONNECTOR (FEMALE)	1	
P932	VJS2898A064	CONNECTOR (FEMALE)	1	
P933-35	VJS2898A100	CONNECTOR (FEMALE)	3	
P941, 42	VJS2898A064	CONNECTOR (FEMALE)	2	
P961-64	VJS3152	CONNECTOR (FEMALE)	4	
P971-74	VJS3490A13	CONNECTOR (FEMALE)	4	
W1, W2	VWJ0118	CABLE	2	
W3-W6	VWJ0121	CABLE	4	

VEP00V07F / VEP03D59A / VEP03D59B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
E38	VMP4222	CONNECTOR ANGLE (1)	1	
E39	VMP4223	CONNECTOR ANGLE (2)	1	
E42	VJF0456	CLAMPER	2	
E41	XYE3+EF8FZ	SCREW	18	
	VEE8721	CABLE	1	AG-DS555P ONLY
	VEE9073	CABLE	1	AG-DS545P ONLY
E40	XTV26+8J	SCREW	14	
	VSC3974	EARTH ANGLE	1	
■ E5	VEP03D59A	VIDEO I/O C.B.A.	1	(RTL)FOR AG-DS555P
■ E5	VEP03D59B	VIDEO I/O C.B.A.	1	(RTL)FOR AG-DS545P
C3001	ECQV1H104JL	P.CAPACITOR 50V 0.1U	1	
C3002,03	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3004	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3005	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3007	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	AG-DS555P ONLY
C3009	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3010,11	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C3013	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3014	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3015	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3016	ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C3017	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3018	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3019	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C3020-22	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3041	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3042	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3043	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3044	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3045	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C3046	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3048	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3049	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3050-52	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3053,54	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C3055	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3057,58	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3059-61	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3062	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3063	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C3065	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3066	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3067	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3072-74	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3075	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3076,77	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3078	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3079	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3080,81	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3082	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3201,02	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C3203	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3204	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3205	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C3206	ECQV1H104JL	P.CAPACITOR 50V 0.1U	1	
C3207	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3208	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3209	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3210	ECQV1H154JL	P.CAPACITOR 50V 0.56U	1	
C3212	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3213	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C3214	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3215	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3216	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3217,18	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C3219	ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C3220	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3221	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3222	ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C3223	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3225	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3226	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3227	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3228,29	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C3230	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3231-33	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C3234,35	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C3236	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	1	
C3237	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3238	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3239,40	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C3241	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3242	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3301	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3302	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3303	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3304	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3305	ECUM1H040CCN	C.CAPACITOR CH 50V 4P	1	
C3306	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3307	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3308	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3309	ECEV0GV101Q	E.CAPACITOR CH 4V 100U	1	
C3310	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C3311	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3312	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3314	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3315	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3316,17	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	2	
C3318	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3319	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3320	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3321	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3322,23	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	2	
C3324	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3325	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3326	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C3328	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3329	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3330	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3331	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3332	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3333	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3334	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3335	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3336	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3337	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3338	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3339	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3340	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3341	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3342	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3343	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3344	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3345,46	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	2	
C3347	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3348	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	AG-DS555P ONLY
C3349	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3350	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3351	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3352	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3353	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3354	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3355	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3356	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3357	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C3358	ECQV1H154JL	P.CAPACITOR 50V 0.56U	1	
C3359	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3360	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3361	ECQV1H334JL	P.CAPACITOR 50V 0.33U	1	
C3362	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3363	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3364	ECHU1C392GB	P.CAPACITOR 16V 3900P	1	
C3365	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
36	ECEV1HVR47Q	E. CAPACITOR CH 50V 0.47U	1	
37	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
C3368	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C3369	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
70	ECEV0GV101Q	E. CAPACITOR CH 4V 100U	1	
71	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	
72	ECUM1H152KBN	C. CAPACITOR CH 50V 1500P	1	
C3375	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
C3376	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
78	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
79	ECUM1H120JCN	C. CAPACITOR CH 50V 12P	1	
80	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C3381	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C3502	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
03	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	
04	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C3505	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C3506	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
07	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
08	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	
09	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C3510	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	
C3511	ECUM1H120JCN	C. CAPACITOR CH 50V 12P	1	
512	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
513	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4.7U	1	
C3514	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C3515	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
516	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
517	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
518	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	
C3519	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C3520	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
521	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
522	ECUM1H123KBN	C. CAPACITOR CH 50V 0.012U	1	
523	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C3524	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
525	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
526	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	
527.28	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	2	
C3529	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
C3530	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	
531-37	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	7	
538	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
539	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C3540	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	
C3541	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
3542-45	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	4	
3546	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	
C3601	ECUM1H331JCN	C. CAPACITOR CH 50V 330P	1	AG-DS555P ONLY
C3602	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	AG-DS555P ONLY
3603	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	AG-DS555P ONLY
3605.06	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	2	AG-DS555P ONLY
3607	ECUM1H470JCN	C. CAPACITOR CH 50V 47P	1	AG-DS555P ONLY
C3608	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	AG-DS555P ONLY
C3609	ECUM1H331JCN	C. CAPACITOR CH 50V 330P	1	AG-DS555P ONLY
3610	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	AG-DS555P ONLY
3611	ECUM1H820JCN	C. CAPACITOR CH 50V 82P	1	AG-DS555P ONLY
C3612	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C3613	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	AG-DS555P ONLY
3614.15	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	2	AG-DS555P ONLY
3616.17	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	2	AG-DS555P ONLY
3618	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C3619	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	AG-DS555P ONLY
C3620	ECUM1E683KBN	C. CAPACITOR CH 25V 0.068U	1	AG-DS555P ONLY
3621	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	AG-DS555P ONLY
3622	ECUM1H271JCN	C. CAPACITOR CH 50V 270P	1	AG-DS555P ONLY
C3623	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	1	AG-DS555P ONLY
C3624	ECUM1H120JCN	C. CAPACITOR CH 50V 12P	1	AG-DS555P ONLY
3625	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	AG-DS555P ONLY
3626	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
3627	ECUM1H271JCN	C. CAPACITOR CH 50V 270P	1	AG-DS555P ONLY
C3628	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	AG-DS555P ONLY
C3629	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
3630	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	AG-DS555P ONLY
3631-38	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	8	AG-DS555P ONLY

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3639	ECEV1HV3R3Q	E. CAPACITOR CH 50V 3.3U	1	AG-DS555P ONLY
C3640	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	AG-DS555P ONLY
C3641	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C3901	ECEV0JV101Q	E. CAPACITOR CH6.3V 100U	1	
C3902	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
D3001	MA152K	DIODE	1	
D3002	MA152K	DIODE	1	AG-DS555P ONLY
D3003	MA152K	DIODE	1	
D3201	MA152K	DIODE	1	
D3301	MA715	DIODE	1	
D3303.04	MA152K	DIODE	2	
D3501	MA28W-B	DIODE	1	
D3502	MA152K	DIODE	1	
D3901	11EQS04	DIODE	1	
FL3004	VLD0387	FILTER	1	
FL3201	VLF1130	FILTER	1	
FL3204.05	VLF1155	FILTER	2	
FL3301	VLF1329	FILTER	1	
FL3302	VLF1330	FILTER	1	
FL3303	VLF1329	FILTER	1	
FL3304	VLF1330	FILTER	1	
FL3405	VLF0526	FILTER	1	
FL3501	VLF1131	FILTER	1	
FL3503	VLF0526	FILTER	1	
FL3504	VLF0523	FILTER	1	
FL3506	VLF0523	FILTER	1	
IC3001	M52083FP	IC	1	
IC3005	MC74HC86F	IC	1	
IC3006	TC7S04F	IC	1	
IC3007	LM324NS	IC	1	
IC3008	MC14052BF	IC	1	
IC3009	NJM78L05UA	IC	1	
IC3010	AN78N05	IC	1	
IC3201	TC4W53F	IC	1	
IC3202.03	NJM2233BMA	IC	2	
IC3204	TL8822F	IC	1	
IC3301	NJM592M8	IC	1	
IC3302	TA75S01F	IC	1	
IC3303	TC4W53F	IC	1	
IC3304	AN3296S	IC	1	
IC3305	NJM2235MA	IC	1	
IC3306	BA7655AF	IC	1	
IC3307	NJM78L05UA	IC	1	
IC3501	CXD1175AM	IC	1	
IC3502	HM63021FP	IC	1	
IC3503	MC74HC541AF	IC	1	
IC3504	MC141625AFU	IC	1	
IC3505	MST003MS	IC	1	
IC3506	TC4S30F	IC	1	
IC3507	MC14538BF	IC	1	
IC3508	TC7WU04F	IC	1	
IC3509	TC7S04F	IC	1	
IC3510	MC74HC74AF	IC	1	
IC3511	TC4S584F	IC	1	
IC3512	MC74HC08AF	IC	1	
IC3513	MC74HC00AF	IC	1	
IC3514	MC74HC74AF	IC	1	
IC3515	TC7S32F	IC	1	
IC3516	TC7S08F	IC	1	
IC3601.02	AN6308S	IC	2	AG-DS555P ONLY
L3001	VLQ0133J821	COIL 820UH	1	
L3002	VLQ0163J390	COIL 39UH	1	
L3003	VLQ0163J181	COIL	1	
L3004	VLQ0133J271	COIL	1	
L3005	VLQ0163J330	COIL 33UH	1	
L3009	VLQ0163J100	COIL 10UH	1	
L3010	VLQ0163J181	COIL	1	
L3011	VLQ0163J220	COIL 22UH	1	
L3012	VLQ0163J180	COIL 18UH	1	
L3013	VLQ0163J270	COIL 27UH	1	
L3014	VLQ0163J151	COIL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L3015	VLQ0163J820	COIL 82UH	1	
L3016, 17	VLQ0163J330	COIL 33UH	2	
L3018, 19	VLQ0319K101	COIL 100UH	2	
L3020	VLQ0163J390	COIL 39UH	1	
L3021, 22	VLQ0163J100	COIL 10UH	2	
L3201	VLQ0319K101	COIL 100UH	1	
L3202	VLQ0133J102	COIL 1000UH	1	
L3203	VLQ0133J331	COIL	1	
L3204	VLQ0163J151	COIL	1	
L3205	VLQ0319K101	COIL 100UH	1	
L3206	VLQ0133J561	COIL	1	
L3207	VLQ0133J391	COIL 390UH	1	
L3208, 09	VLQ0163J220	COIL 22UH	2	
L3210	VLQ0163J150	COIL 15UH	1	
L3211	VLQ0133J681	COIL	1	
L3212	VLQ0319K101	COIL 100UH	1	
L3301	VLQ0319K101	COIL 100UH	1	
L3302	VLQ0163J120	COIL 12UH	1	
L3303	VLQ0163J270	COIL 27UH	1	
L3304, 05	VLQ0319K101	COIL 100UH	2	
L3306	VLQ0133J271	COIL	1	
L3307	VLQ0319K101	COIL 100UH	1	
L3308	VLQ0163J270	COIL 27UH	1	
L3309	VLQ0319K101	COIL 100UH	1	
L3310	VLQ0163J330	COIL 33UH	1	
L3501-05	VLQ0319K101	COIL 100UH	5	
L3601	VLQ0163J121	COIL 120UH	1	AG-DS555P ONLY
L3602	VLQ0163J680	COIL 68UH	1	AG-DS555P ONLY
L3603	VLQ0163J221	COIL 220UH	1	AG-DS555P ONLY
L3604, 05	VLQ0319K101	COIL 100UH	2	AG-DS555P ONLY
L3606	VLQ0163J6R8	COIL 6.8UH	1	AG-DS555P ONLY
L3607	VLQ0163J151	COIL	1	AG-DS555P ONLY
L3608	VLQ0163J6R8	COIL 6.8UH	1	AG-DS555P ONLY
L3609	VLQ0163J3R9	COIL 3.9UH	1	AG-DS555P ONLY
L3610	VLQ0163J151	COIL	1	AG-DS555P ONLY
L3611	VLQ0163J221	COIL 220UH	1	AG-DS555P ONLY
L3612	VLQ0163J390	COIL 39UH	1	AG-DS555P ONLY
L3613	VLQ0163J330	COIL 33UH	1	AG-DS555P ONLY
L3614	VLQ0163J820	COIL 82UH	1	AG-DS555P ONLY
L3615	VLQ0133J271	COIL	1	AG-DS555P ONLY
L3616	VLQ0319K101	COIL 100UH	1	AG-DS555P ONLY
P3001	VJP3080	CONNECTOR (MALE)	1	
P3931	VJP3176B100	CONNECTOR (MALE)	1	
Q3001	2SB643	TRANSISTOR	1	AG-DS555P ONLY
Q3002	2SD1328-S	TRANSISTOR	1	
Q3003	MSD601	TRANSISTOR	1	
Q3004	MSC2295	TRANSISTOR	1	
Q3009	MSC2295	TRANSISTOR	1	
Q3010	2SK374-R	TRANSISTOR	1	
Q3011	MSC2295	TRANSISTOR	1	
Q3012	MSB709	TRANSISTOR	1	
Q3013, 14	MSD601	TRANSISTOR	2	
Q3015-17	MSC2295	TRANSISTOR	3	
Q3018	MSB709	TRANSISTOR	1	
Q3019, 20	MSC2295	TRANSISTOR	2	
Q3201	MSC2295	TRANSISTOR	1	
Q3202	MSD601	TRANSISTOR	1	
Q3203-05	MSC2295	TRANSISTOR	3	
Q3206, 07	MSB709	TRANSISTOR	2	
Q3208	MSC2295	TRANSISTOR	1	
Q3209	2SK374-R	TRANSISTOR	1	
Q3210	MSB709	TRANSISTOR	1	
Q3211	MSC2295	TRANSISTOR	1	
Q3212	2SK374-R	TRANSISTOR	1	
Q3213	MSC2295	TRANSISTOR	1	
Q3214-16	MSD601	TRANSISTOR	3	
Q3217	MSC2295	TRANSISTOR	1	
Q3218, 19	MSD601	TRANSISTOR	2	
Q3220	MSC2295	TRANSISTOR	1	
Q3221	MSD601	TRANSISTOR	1	
Q3301-03	MSD601	TRANSISTOR	3	
Q3304	MSC2295	TRANSISTOR	1	
Q3305	2SA1022-C	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q3306	MSD601	TRANSISTOR	1	
Q3307	MSC2295	TRANSISTOR	1	
Q3308	MSD601	TRANSISTOR	1	
Q3309, 10	MSC2295	TRANSISTOR	2	
Q3311	MSD601	TRANSISTOR	1	
Q3312, 13	MSC2295	TRANSISTOR	2	
Q3314	MSD601	TRANSISTOR	1	
Q3315	MSC2295	TRANSISTOR	1	
Q3316	2SA1022-C	TRANSISTOR	1	
Q3317	MSC2295	TRANSISTOR	1	
Q3319	MSC2295	TRANSISTOR	1	
Q3320	2SA1022-C	TRANSISTOR	1	
Q3321-23	MSC2295	TRANSISTOR	3	
Q3324-29	MSD601	TRANSISTOR	6	
Q3330	MSB709	TRANSISTOR	1	AG-DS555P ONLY
Q3331, 32	MSB709	TRANSISTOR	2	
Q3333	2SA1022-C	TRANSISTOR	1	
Q3334	MSD601	TRANSISTOR	1	
Q3335	MSC2295	TRANSISTOR	1	
Q3336	2SA1022-C	TRANSISTOR	1	
Q3337	MSB709	TRANSISTOR	1	
Q3501	MSD601	TRANSISTOR	1	
Q3502	MSC2295	TRANSISTOR	1	
Q3503	2SA1022-C	TRANSISTOR	1	
Q3504	MSB709	TRANSISTOR	1	
Q3505	MSC2295	TRANSISTOR	1	
Q3506, 07	2SA1022-C	TRANSISTOR	2	
Q3601-03	MSD601	TRANSISTOR	3	AG-DS555P ONLY
Q3604	MSC2295	TRANSISTOR	1	AG-DS555P ONLY
Q3605	MSB709	TRANSISTOR	1	AG-DS555P ONLY
Q3606	MSC2295	TRANSISTOR	1	AG-DS555P ONLY
Q3607-11	MSD601	TRANSISTOR	5	AG-DS555P ONLY
Q3612	MSC2295	TRANSISTOR	1	AG-DS555P ONLY
QR3001, 02	MRN1404	TRANSISTOR-RESISTOR	2	
QR3003	MRN2404	TRANSISTOR-RESISTOR	1	
QR3004	MRN1404	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR3005	MRN2404	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR3006	DTC363EK	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR3009	MRN2404	TRANSISTOR-RESISTOR	1	
QR3010, 11	MRN1404	TRANSISTOR-RESISTOR	2	
QR3201	XN1213	TRANSISTOR-TRANSISTOR	1	
QR3202	MRN1404	TRANSISTOR-RESISTOR	1	
QR3203	MRN2404	TRANSISTOR-RESISTOR	1	
QR3301	XN1504	TRANSISTOR-RESISTOR	1	
QR3302, 03	MRN1404	TRANSISTOR-RESISTOR	2	
QR3501	MRN1402	TRANSISTOR-RESISTOR	1	
QR3503	XN4501	TRANSISTOR-RESISTOR	1	
QR3504	MRN2403	TRANSISTOR-RESISTOR	1	
QR3505	MRN1404	TRANSISTOR-RESISTOR	1	
R3001, 02	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R3003	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3004	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R3005	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3006	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R3007	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3008	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R3009, 10	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	AG-DS555P ONLY
R3011	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	AG-DS555P ONLY
R3012	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	AG-DS555P ONLY
R3013	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3014	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R3016	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3017	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3018	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R3019	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3020, 21	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R3024	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3063	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3064	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R3065	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R3066	ERJ6GEYG391	M.RESISTOR CH 1/10W 390	1	
R3067	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R3068	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R 0	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R 1	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3072	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R3073	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R 4	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R 5	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R 6	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R3077	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3078-80	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R 1	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R 2	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3083, 84	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	2	
R3085	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R 86	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R 88-90	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R 91	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R3092	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3093	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R 94	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R 95	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R 96	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3097	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R3098	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
99	VRE0034E560	M.RESISTOR CH 1/10W 56	1	
00	VRE0034E102	M.RESISTOR CH 1/10W 1K	1	
R3102, 03	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R3104	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
05	VRE0034E220	M.RESISTOR CH 1/10W 22	1	
06	VRE0034E122	M.RESISTOR CH 1/10W 1.2K	1	
07, 08	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R3110	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3112	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
13	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
14	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R3115, 16	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R3117	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
18	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
19	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
20	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3121	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R3122	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
23	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
26	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R 127	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	
R3130, 31	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	AG-DS555P ONLY
R3132	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	
133	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
201	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3202	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R3203	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
204	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
205	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
206, 07	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R3208	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R3209	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
210, 11	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
212	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3213	ERJ6GEYG391	M.RESISTOR CH 1/10W 390	1	
R3215	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	
216, 17	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
218	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
219, 20	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	2	
R3221	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3222, 23	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
3224	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
3225	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R3226	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R3227	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
3228	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
3229	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
3230, 31	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	2	
R3232	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3234	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
3235	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
3236	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3237, 38	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	2	
R3239	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3240	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3242	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3243	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3245	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R3246	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3247	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	
R3248	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3249	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	
R3250	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R3251	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3252	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	
R3254, 55	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	2	
R3256, 57	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R3258, 59	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3260	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3261-63	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R3264	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3265	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3266	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3267, 68	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3269	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3270	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R3271	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3272	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R3273	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3274	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R3275	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	
R3301	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	
R3302	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3303	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R3304, 05	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3306	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R3307	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3308	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R3309	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3310	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R3311	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3312	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R3314	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3315	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R3316	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3317	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R3318	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3319, 20	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R3321	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R3322	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3325	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3326	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R3327	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3328	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R3329	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R3330	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R3331	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3332	ERJ6GEYG391	M.RESISTOR CH 1/10W 390	1	
R3333	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	
R3334	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3335	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R3336, 37	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R3338	ERJ6GEYG391	M.RESISTOR CH 1/10W 390	1	
R3339	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3340	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R3341	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3342	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3343	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3344, 45	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R3348-53	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	6	
R3354	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3355	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3356	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3357, 58	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R3359	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3360	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3361	VRE006622102	V.RESISTOR CH 1/10W 1K	1	

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
R3362	ERJ6GEYG181	M. RESISTOR CH 1/10W 180	1	
R3363	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R3364	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
R3365	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1	
R3366	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
R3367	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R3368, 69	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	2	
R3370	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R3371	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1	
R3372	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R3373	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R3374	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	
R3375	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3376	ERJ6GEYF393	M. RESISTOR CH 1/10W 39K	1	
R3377	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3379	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	
R3380	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R3381, 82	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	2	
R3383, 84	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	2	
R3385	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R3386	ERJ6GEYG391	M. RESISTOR CH 1/10W 390	1	
R3387	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R3388	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R3389	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R3390	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R3391	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R3392	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R3393, 94	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	2	
R3395	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R3396	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R3397	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3398	ERJ6GEYJ335	M. RESISTOR CH 1/10W 3. 3M	1	
R3399	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R3400	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3401	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R3402	ERJ6GEYJ335	M. RESISTOR CH 1/10W 3. 3M	1	
R3403	ERJ6GEYJ335	M. RESISTOR CH 1/10W 3. 3M	1	AG-DS555P ONLY
R3403	ERJ6GEYJ103	M. RESISTOR CH 1/10W 10K	1	AG-DS545P ONLY
R3404	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R3405	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R3406	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	1	
R3407	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R3408	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	1	
R3409	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R3411	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R3412	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
R3413	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R3414	ERJ6GEYG474	M. RESISTOR CH 1/10W 470K	1	
R3415	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R3416	ERJ6GEYG683	M. RESISTOR CH 1/10W 68K	1	
R3417	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
R3418	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3419	ERJ6GEYJ684	M. RESISTOR CH 1/10W 680K	1	
R3420	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3421	ERJ6GEYG753	M. RESISTOR CH 1/10W 75	1	
R3423	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3424	VRE0034E473	M. RESISTOR CH 1/10W 47K	1	
R3425	ERJ6GEYG153	M. RESISTOR CH 1/10W 15K	1	
R3426	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	
R3427	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3428	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3429	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R3430	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3431	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	
R3432	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
R3433	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	AG-DS555P ONLY
R3434, 35	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
R3437	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R3438	ERJ6GEYG122	M. RESISTOR CH 1/10W 1. 2K	1	
R3439	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3440	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R3441	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3442	VRE0034E681	M. RESISTOR CH 1/10W 680	1	
R3443	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3502	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3503	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R3504	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R3505	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3506, 07	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	2	
R3508	ERJ6GEYG392	M. RESISTOR CH 1/10W 3. 9K	1	
R3509	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3510	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R3511	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1	
R3512	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R3513	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	
R3514	ERJ6GEYJ335	M. RESISTOR CH 1/10W 3. 3M	1	
R3515	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3516	ERJ6GEYG272	M. RESISTOR CH 1/10W 2. 7K	1	
R3517	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
R3518	ERJ6GEYG153	M. RESISTOR CH 1/10W 15K	1	
R3519	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R3520	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
R3521	ERJ6GEYG432	M. RESISTOR CH 1/10W 4. 3K	1	
R3522	ERJ6GEYG272	M. RESISTOR CH 1/10W 2. 7K	1	
R3523	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3524	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	
R3525	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R3526	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
R3527	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R3528	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R3529	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	
R3530	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R3531	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R3532	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	
R3533	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	1	
R3534	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R3535-41	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	7	
R3542, 43	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
R3544	ERJ6GEYG680	M. RESISTOR CH 1/10W 68	1	
R3545	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3546	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R3547	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3548	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R3549	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R3550	ERJ6GEYG122	M. RESISTOR CH 1/10W 1. 2K	1	
R3552, 53	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	2	
R3554, 55	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	2	
R3601	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	AG-DS555P ONLY
R3602	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	AG-DS555P ONLY
R3603	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	AG-DS555P ONLY
R3604	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R3605	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	AG-DS555P ONLY
R3606	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R3607	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	AG-DS555P ONLY
R3608	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	AG-DS555P ONLY
R3609	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	AG-DS555P ONLY
R3610, 11	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	AG-DS555P ONLY
R3612	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	AG-DS555P ONLY
R3613	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	AG-DS555P ONLY
R3614	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	AG-DS555P ONLY
R3615	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	AG-DS555P ONLY
R3616-18	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	3	AG-DS555P ONLY
R3619	ERJ6GEYG153	M. RESISTOR CH 1/10W 15K	1	AG-DS555P ONLY
R3620	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	AG-DS555P ONLY
R3621	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R3622	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	AG-DS555P ONLY
R3623	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	AG-DS555P ONLY
R3624	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	AG-DS555P ONLY
R3625	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	AG-DS555P ONLY
R3626	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R3627	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1	AG-DS555P ONLY
R3628	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	AG-DS555P ONLY
R3629	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	AG-DS555P ONLY
R3630	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	AG-DS555P ONLY
R3631, 32	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	2	AG-DS555P ONLY
R3633	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	AG-DS555P ONLY
R3634	ERJ6GEYJ820	M. RESISTOR CH 1/10W 82	1	AG-DS555P ONLY
R3635	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R3636	ERJ6GEYG151	M. RESISTOR CH 1/10W 150	1	AG-DS555P ONLY
R3637	ERJ6GEYG391	M. RESISTOR CH 1/10W 390	1	AG-DS555P ONLY

VEP03D59B / VEP03D58A / VEP03D58B / VEP00Z04A

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
R 8	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	AG-DS555P ONLY
R 9, 40	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	2	AG-DS555P ONLY
R3641	ERJ6GEYG271	M. RESISTOR CH 1/10W 270	1	AG-DS555P ONLY
R3642	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R 43	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	AG-DS555P ONLY
R 4	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	AG-DS555P ONLY
R 5	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	AG-DS555P ONLY
R3646	ERJ6GEYG272	M. RESISTOR CH 1/10W 2. 7K	1	AG-DS555P ONLY
R3647, 48	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	AG-DS555P ONLY
R 9	ERJ6GEYG151	M. RESISTOR CH 1/10W 150	1	AG-DS555P ONLY
R 0, 51	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	AG-DS555P ONLY
R 52	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	AG-DS555P ONLY
R3653	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R3654	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	AG-DS555P ONLY
R 55	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	AG-DS555P ONLY
R 01, 02	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	2	
VR3001, 02	EVN32CA00B24	V. RESISTOR 20K	2	
V 003-07	EVN32CA00B54	V. RESISTOR 50K	5	
V 008	EVN32CA00B24	V. RESISTOR 20K	1	
V 201, 02	EVN32CA00B14	V. RESISTOR 10K	2	
VR3301, 02	EVN32CA00B14	V. RESISTOR 10K	2	
VR3501	EVN32CA00B24	V. RESISTOR 20K	1	
801	EVN32CA00B23	V. RESISTOR 2K	1	AG-DS555P ONLY
		MISCELLANEOUS		
	VSC3970	SHIELD COVER (UPPER)	1	
	VSC3971	SHIELD CASE (MIDDLE)	1	
	VSC3972	SHIELD CASE (LOWER, BIAS)	1	
E6	VEP03D58A	VIDEO YC C. B. A.	1	(RTL) FOR AG-DS555P
E6	VEP03D58B	VIDEO YC C. B. A.		(RTL) FOR AG-DS545P
E35	VEP00Z04A	VIDEO YC SUB C. B. A.		(RTL) INCLUDED IN
				VIDEO YC C. B. A.
C3	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	3	
C4	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3001-03	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
004	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
005	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
006-08	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
C3010	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3011	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
012	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
014	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3015, 16	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
C3017	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
018	ECUM1H333KBN	C. CAPACITOR CH 50V 0. 033U	1	
019	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
020	ECHS1561JZ	P. CAPACITOR 100V 560P	1	
C3021	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C3023	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
024, 25	ECUM1C154KBN	C. CAPACITOR CH 16V 0. 15U	2	
026	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3027	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3028, 29	ECEV0JN220Q	E. CAPACITOR CH6. 3V 22U	2	
030	ECHS1911GZ	P. CAPACITOR 100V 910P	1	
031	ECUM1H820JCN	C. CAPACITOR CH 50V 82P	1	
032, 33	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
C3034	ECEV1EN4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
C3035	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
036	ECUM1E473KBN	C. CAPACITOR CH 25V 0. 047U	1	
037, 38	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	2	
C3039	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3040	ECEV1EN4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
3041-43	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	3	
044	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
045	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C3046	ECUM1E473KBN	C. CAPACITOR CH 25V 0. 047U	1	
C3047	ECUM1H223KBN	C. CAPACITOR CH 50V 0. 022U	1	
048	ECEV1CV220Q	E. CAPACITOR CH 16V 22U	1	
049	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
C3050	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C3051	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C3052	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C3053	ECUM1H560JCN	C. CAPACITOR CH 50V 56P	1	
C3054	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C3055	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3056	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C3057	ECEV1CV220Q	E. CAPACITOR CH 16V 22U	1	
C3059	ECEV1CV220Q	E. CAPACITOR CH 16V 22U	1	
C3060	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3061	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3062, 63	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	2	
C3064	ECUM1H271GCN	C. CAPACITOR CH 50V 270P	1	
C3065	ECUM1H820GCN	C. CAPACITOR CH 50V 82P	1	
C3066	ECUM1H221GCN	C. CAPACITOR CH 50V 220P	1	
C3067, 68	ECUM1H271GCN	C. CAPACITOR CH 50V 270P	2	
C3069, 70	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	2	
C3071	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C3072	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3073	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3074	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3075	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3076	ECEV1CV220Q	E. CAPACITOR CH 16V 22U	1	
C3077, 78	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
C3079	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
C3080	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3081	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3082	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3083	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C3084, 85	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	2	
C3087	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3088	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3089	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
C3090	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C3091-93	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	3	
C3094	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3095	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	
C3096	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
C3097	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C3201	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3202	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
C3203	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3204	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3205	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3206	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
C3207	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3208	ECUM1H050CCN	C. CAPACITOR CH 50V 5P	1	
C3209	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3210	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
C3211	ECUM1H050CCN	C. CAPACITOR CH 50V 5P	1	
C3212, 13	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
C3214	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
C3215	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3219	ECEA1CN100S	E. CAPACITOR 16V 10U	1	
C3221	ECEV1CV220Q	E. CAPACITOR CH 16V 22U	1	
C3222	ECUM1H470JCN	C. CAPACITOR CH 50V 47P	1	
C3223	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C3224	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C3225	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3226	ECUM1H271JCN	C. CAPACITOR CH 50V 270P	1	
C3227	ECEV1HV2R2Q	E. CAPACITOR CH 50V 2. 2U	1	
C3228	ECUM1H223KBN	C. CAPACITOR CH 50V 0. 022U	1	
C3229	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C3230	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3231	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3232, 33	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	2	
C3238	ECUM1H123KBN	C. CAPACITOR CH 50V 0. 012U	1	
C3239	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3240	ECQV1H823JL	P. CAPACITOR 50V 0. 082U	1	
C3241	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3242	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3243	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3245	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
C3246	ECEV1HV3R3Q	E. CAPACITOR CH 50V 3. 3U	1	
C3247	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3249	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3250	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3251	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3252, 53	ECEV1HV2R2Q	E. CAPACITOR CH 50V 2. 2U	2	
C3254	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3255, 56	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
C3260	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3261	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3262	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3263-65	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
C3266	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3267, 68	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
C3270	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3272-74	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
C3275	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3276-79	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	4	
C3280	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
C3281	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3282, 83	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	2	
C3284, 85	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	2	
C3286	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3287	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C3288	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3289	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3290	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C3291	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3292-94	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
C3295	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
C3296, 97	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	2	
C3298	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3299	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3300	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C3301	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3312	ECEV1HV2R2Q	E. CAPACITOR CH 50V 2. 2U	1	
C3313	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3314	ECUM1H820JCN	C. CAPACITOR CH 50V 82P	1	
C3315	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3316	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C3317	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C3318	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3319	ECUM1H120JCN	C. CAPACITOR CH 50V 12P	1	
C3320	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3321	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	
C3322	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
C3324	ECUM1H470JCN	C. CAPACITOR CH 50V 47P	1	
C3325	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	
C3326	ECUM1H120JCN	C. CAPACITOR CH 50V 12P	1	
C3327	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
C3328	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3329	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	
C3330	ECUM1H470JCN	C. CAPACITOR CH 50V 47P	1	
C3331	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	
C3332	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3333	ECUM1H120JCN	C. CAPACITOR CH 50V 12P	1	
C3334	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3335	ECUM1H122KBN	C. CAPACITOR CH 50V 1200P	1	
C3501	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3502, 03	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
C3505, 06	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
C3507	ECUM1H050CCN	C. CAPACITOR CH 50V 5P	1	
C3508	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
C3510-12	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
C3513	ECUM1H050CCN	C. CAPACITOR CH 50V 5P	1	
C3514	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
C3515	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3516, 17	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	2	
C3518	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3521	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3522	ECUM1H273KBN	C. CAPACITOR CH 50V 0. 027U	1	
C3523	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3524, 25	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	2	
C3526	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3527-30	ECUM1E473KBN	C. CAPACITOR CH 25V 0. 047U	4	
C3531	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3532	ECEV1HN010Q	E. CAPACITOR CH 50V 1U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3533	ECUM1H153KBN	C. CAPACITOR CH 50V 0. 015U	1	
C3534	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	1	
C3535	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
C3536-40	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	5	
C3541-43	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	3	
C3544	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3545	ECUM1H680JCN	C. CAPACITOR CH 50V 68P	1	
C3546	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3548-50	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
C3551	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
C3552	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3553	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C3554-58	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	5	
C3560	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3561	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C3562	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C3563	ECEV1HV2R2Q	E. CAPACITOR CH 50V 2. 2U	1	
C3568	ECUM1H223KBN	C. CAPACITOR CH 50V 0. 022U	1	
C3569	ECUM1E224ZFN	C. CAPACITOR CH 25V 0. 22U	1	
C3570	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
C3571-73	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
C3574	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C3575	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3577	ECEV1CV220Q	E. CAPACITOR CH 16V 22U	1	
C3578	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3580	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3581	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C3582	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3583	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3584-86	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
C3587	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3588	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
C3589, 90	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
C3591	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3592-94	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
C3595	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1	
C3596	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3597	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3598	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C3600	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3602	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3603	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
C3604	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C3605-07	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
C3608	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	
C3609	ECUM1H560JCN	C. CAPACITOR CH 50V 56P	1	
C3610	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
C3611	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	
C3612	ECUM1H820JCN	C. CAPACITOR CH 50V 82P	1	
C3613	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3614	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3615	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3616	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3617, 18	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
C3619	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3620	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	
C3621	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
C3622	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3623	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3625	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3626	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C3627	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C3628	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C3629	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3630, 31	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
C3632	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C3633-35	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
D1	MA151K	DIODE	1	
D3001-04	MA152K	DIODE	4	
D3005	MA28W-B	DIODE	1	
D3006	MA152K	DIODE	1	
D3007	MA3100L	DIODE	1	
D3201, 02	MA152WA	DIODE	2	
D3204, 05	MA152K	DIODE	2	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D 07	MA3100L	DIODE	1	
D 09	MA152WK	DIODE	1	
D 213	MA152K	DIODE	1	
D3502	MA152K	DIODE	1	
D 03	MA3100L	DIODE	1	
D 10, 11	MA28W-B	DIODE	2	
12	MA715	DIODE	1	
FL3001	VLF1331	FILTER	1	
002	VLF1128	FILTER	1	
003	VLF1131	FILTER	1	
201	VLF1333	FILTER	1	
FL3202, 03	VLF1347	FILTER	2	
F 205	VLF0955	FILTER	1	
501	VLF1333	FILTER	1	
502	VLF1332	FILTER	1	
FL3503	VLF1131	FILTER	1	
FL3504	VLF1332	FILTER	1	
001	AN3250FAP	Y MAIN IC	1	
002	TC7S04F	IC	1	
IC3003	TC4W53F	IC	1	
IC3004	AN78N05	IC	1	
005	AN3293S	IC	1	
006	MSM6850MS	IC	1	
C3007	NJM78L05UA	IC	1	
IC3008-1	NJM2233BMA	IC	3	
201	M52366FP	IC	1	
202	TC7W04F	IC	1	
203	TC4W53F	IC	1	
IC3204	MM74HC221AMX	IC	1	
IC3205	TC4S584F	IC	1	
3206, 07	MSM6860MS	IC	2	
3210	AN78M05	IC	1	
3211	TC7S08F	IC	1	
IC3501	TC74HC123AF	IC	1	
3502	TC4W53F	IC	1	
3503	M52350FP	IC	1	
3504	AN3495S	IC	1	
IC3505	MSM6850MS	IC	1	
IC3506	NJM2233BMA	IC	1	
3507	NJM2234MA	IC	1	
3508	MSM6860MS	IC	1	
L3002	VLQ0163J121	COIL 120UH	1	
L3003-05	VLQ0319K101	COIL 100UH	3	
006	VLQ0163J2R2	COIL 2. 2UH	1	
007	VLQ0163J470	COIL 47UH	1	
L3008	VLQ0319K101	COIL 100UH	1	
L3009	VLQ0163J151	COIL	1	
010	VLQ0163J220	COIL 22UH	1	
011	VLQ0163J100	COIL 10UH	1	
201	VLQ0319K101	COIL 100UH	1	
L3202	VLQ0163J220	COIL 22UH	1	
L3203	VLQ0163J2R7	COIL 2. 7UH	1	
204	VLQ0163J101	COIL 100UH	1	
205	VLQ0163J820	COIL 82UH	1	
L3209, 10	VLQ0319K101	COIL 100UH	2	
L3211	VLQ0163J2R2	COIL 2. 2UH	1	
3212	VLQ0319K101	COIL 100UH	1	
3213	VLQ0163J2R2	COIL 2. 2UH	1	
3216, 17	VLQ0163J220	COIL 22UH	2	
L3218	VLQ0163J820	COIL 82UH	1	
L3219, 20	VLQ0163J100	COIL 10UH	2	
3501-04	VLQ0319K101	COIL 100UH	4	
3506	VLQ0163J330	COIL 33UH	1	
L3507	VLQ0319K101	COIL 100UH	1	
L3511	VLQ0163J2R2	COIL 2. 2UH	1	
3512	VLQ0163J330	COIL 33UH	1	
3513	VLQ0163J5R6	COIL 5. 6UH	1	
3608	VLQ0163J2R2	COIL 2. 2UH	1	
L3614	VLQ0319K101	COIL 100UH	1	
3601, 02	VJS2848D018	CONNECTOR (FEMALE)	2	AG-DS555P ONLY
3603	VJP1233T	CONNECTOR (MALE) 6P	1	AG-DS555P ONLY

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
P3632	VJP3176B064	CONNECTOR (MALE)	1	
Q1	MSB709	TRANSISTOR	1	
Q3001	MSD601	TRANSISTOR	1	
Q3002, 03	2SA1022-C	TRANSISTOR	2	
Q3004	MSC2295	TRANSISTOR	1	
Q3005	2SA1022-C	TRANSISTOR	1	
Q3006-08	MSD601	TRANSISTOR	3	
Q3009-11	MSB709	TRANSISTOR	3	
Q3012	MSD601	TRANSISTOR	1	
Q3013, 14	MSC2295	TRANSISTOR	2	
Q3015	MSD601	TRANSISTOR	1	
Q3016	MSC2295	TRANSISTOR	1	
Q3018	MSC2295	TRANSISTOR	1	
Q3019	2SA1022-C	TRANSISTOR	1	
Q3020	MSD601	TRANSISTOR	1	
Q3021	2SK374-R	TRANSISTOR	1	
Q3022	MSC2295	TRANSISTOR	1	
Q3023	2SA1022-C	TRANSISTOR	1	
Q3024	MSD601	TRANSISTOR	1	
Q3201, 02	MSD601	TRANSISTOR	2	
Q3203, 04	MSB709	TRANSISTOR	2	
Q3205	MSC2295	TRANSISTOR	1	
Q3206	MSB709	TRANSISTOR	1	
Q3207-11	MSC2295	TRANSISTOR	5	
Q3212	MSD601	TRANSISTOR	1	
Q3213	MSC2295	TRANSISTOR	1	
Q3215	MSC2295	TRANSISTOR	1	
Q3219, 20	2SK374-R	TRANSISTOR	2	
Q3223-25	2SK374-R	TRANSISTOR	3	
Q3227, 28	MSC2295	TRANSISTOR	2	
Q3229	MSB709	TRANSISTOR	1	
Q3230, 31	MSC2295	TRANSISTOR	2	
Q3232	MSD601	TRANSISTOR	1	
Q3233, 34	MSC2295	TRANSISTOR	2	
Q3235	MSB709	TRANSISTOR	1	
Q3236, 37	MSC2295	TRANSISTOR	2	
Q3238	MSB709	TRANSISTOR	1	
Q3501	MSC2295	TRANSISTOR	1	
Q3502, 03	2SK374-R	TRANSISTOR	2	
Q3504	MSB709	TRANSISTOR	1	
Q3505	MSC2295	TRANSISTOR	1	
Q3506	MSB709	TRANSISTOR	1	
Q3507	MSC2295	TRANSISTOR	1	
Q3510, 11	MSC2295	TRANSISTOR	2	
Q3512	MSB709	TRANSISTOR	1	
Q3513, 14	MSC2295	TRANSISTOR	2	
Q3515	2SK374-R	TRANSISTOR	1	
Q3516	MSD601	TRANSISTOR	1	
Q3519	MSC2295	TRANSISTOR	1	
Q3520	2SA1022-C	TRANSISTOR	1	
Q3521	MSC2295	TRANSISTOR	1	
Q3522	2SK374-R	TRANSISTOR	1	
Q3524, 25	MSC2295	TRANSISTOR	2	
Q3526	2SA1022-C	TRANSISTOR	1	
Q3527	MSC2295	TRANSISTOR	1	
Q3528	MSD601	TRANSISTOR	1	
Q3529	MSC2295	TRANSISTOR	1	
Q3530	2SK374-R	TRANSISTOR	1	
Q3531	MSB709	TRANSISTOR	1	
Q3532	MSC2295	TRANSISTOR	1	
Q3533	2SK374-R	TRANSISTOR	1	
Q3534	MSB709	TRANSISTOR	1	
Q3535	2SK374-R	TRANSISTOR	1	
Q3536	2SA1022-C	TRANSISTOR	1	
Q3537	MSD601	TRANSISTOR	1	
Q3538	MSC2295	TRANSISTOR	1	
Q3539	MSD601	TRANSISTOR	1	
Q3540, 41	2SK374-R	TRANSISTOR	2	
Q3542	MSB709	TRANSISTOR	1	
QR3001, 02	MRN2403	TRANSISTOR-RESISTOR	2	
QR3005, 06	XN4501	TRANSISTOR-RESISTOR	2	
QR3201-08	MRN1404	TRANSISTOR-RESISTOR	8	
QR3209	MRN2403	TRANSISTOR-RESISTOR	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
QR3210	MRN1404	TRANSISTOR-RESISTOR	1	
QR3211	MRN2404	TRANSISTOR-RESISTOR	1	
R2	VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R3	VRE0034E221	M.RESISTOR CH 1/10W 220	1	
R4	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R5	VRE0034E331	M.RESISTOR CH 1/10W 330	1	
R6	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R3001	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3002	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R3003	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3006	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R3007	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R3008	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3009	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R3010	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R3011	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3012	VRE0034E561	M.RESISTOR CH 1/10W 560	1	
R3013	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3014	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R3015	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3016	VRE0034E152	M.RESISTOR CH 1/10W 1.5K	1	
R3017	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3018	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3019,20	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R3021	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R3022	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R3023	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3024	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3025	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R3026	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3027	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	AG-DS555P ONLY
R3028	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	AG-DS555P ONLY
R3029	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R3030	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R3031	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3032	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	AG-DS545P ONLY
R3033	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3034	VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3035	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R3036	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3037	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R3038	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R3040	VRE0034E122	M.RESISTOR CH 1/10W 1.2K	1	
R3042,43	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3044	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R3045	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3046	VRE0034E153	M.RESISTOR CH 1/10W 15K	1	
R3047	VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3048	ERJ6GEYG391	M.RESISTOR CH 1/10W 390	1	
R3049	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3050	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3051	VRE0034E223	M.RESISTOR CH 1/10W 22K	1	
R3052	VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3053	VRE0034E152	M.RESISTOR CH 1/10W 1.5K	1	
R3054	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3055	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R3056	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R3058,59	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	2	
R3060	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3061	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R3062	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R3063,64	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R3065	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	AG-DS555P ONLY
R3066	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	AG-DS555P ONLY
R3067	VRE0034E102	M.RESISTOR CH 1/10W 1K	1	
R3068	VRE0034E241	M.RESISTOR CH 1/10W 240	1	
R3069,70	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R3071,72	VRE0034E102	M.RESISTOR CH 1/10W 1K	2	
R3073	VRE0034E471	M.RESISTOR CH 1/10W 470	1	
R3074	VRE0034E152	M.RESISTOR CH 1/10W 1.5K	1	
R3075,76	VRE0034E332	M.RESISTOR CH 1/10W 3.3K	2	
R3077	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3078	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3079	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3080	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3081	VRE0034E471	M.RESISTOR CH 1/10W 470	1	
R3082	VRE0034E561	M.RESISTOR CH 1/10W 560	1	
R3083	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3084,85	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	2	
R3086	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3087	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3088	VRE0034E821	M.RESISTOR CH 1/10W 820	1	
R3089	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3090	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3091	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R3092	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R3093	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R3094	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3096-98	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R3099,00	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3102	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3103	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R3104	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3105	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R3106	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3107	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3108	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R3109	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3110	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R3111	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3112	ERJ6GEYG362	M.RESISTOR CH 1/10W 3.6K	1	
R3113-15	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R3116	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3117	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R3118	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3121	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3122	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R3123	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3124	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R3125	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3126	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R3127	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R3128	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3129	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3130	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R3131	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3132	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R3133-36	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	4	
R3137	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3138,39	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3140	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3141	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3142	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3144	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R3145	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3201	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R3203	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3204	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R3205	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R3206,07	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R3208	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R3209	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3210	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3211	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R3212	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3213,14	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3216,17	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	2	
R3218	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3219	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3221	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3222,23	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3224	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3225	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3226	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3227	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3228	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R3229	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R3230	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R3231	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
R 2	ERJ6GEYG362	M. RESISTOR CH 1/10W 3.6K	1	
R 3	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R 4	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	1	
R3235	ERJ6GEYG563	M. RESISTOR CH 1/10W 56K	1	
R3236	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	
R 8, 49	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
R 0, 51	ERJ6GEYG562	M. RESISTOR CH 1/10W 5.6K	2	
R3252	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R3254	ERJ6GEYG272	M. RESISTOR CH 1/10W 2.7K	1	
R 6	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R 7	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
R 8	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3259	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	
R3260	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R 1, 62	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	2	
R 3	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3264	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	
R3265	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R 36	ERJ6GEYG122	M. RESISTOR CH 1/10W 1.2K	1	
R 67	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R 68, 69	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	2	
R3271	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R3272	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	
R 73	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R 74, 75	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	2	
R3276	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3277	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R3279, 80	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
R 81, 82	ERJ6GEYG392	M. RESISTOR CH 1/10W 3.9K	2	
R 84	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3285	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R3286	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
87	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
88	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
89	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	1	
R3290	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3291	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	1	
92, 93	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
94	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3295	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3296	ERJ6GEYG122	M. RESISTOR CH 1/10W 1.2K	1	
98	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
99	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
00	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R3301	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R3302	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	
03, 04	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
05	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R3306	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R3307	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	
308	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
309	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
310	ERJ6GEYG122	M. RESISTOR CH 1/10W 1.2K	1	
R3312	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R3313	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
314	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
327	ERJ6GEYG562	M. RESISTOR CH 1/10W 5.6K	1	
328	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R3330	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R3331, 32	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
333	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
335	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3336, 37	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	2	
R3338	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
339	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
340	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
342	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3343	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R3344, 45	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	2	
346	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
347	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R3348, 49	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
R3350	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
351	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
352	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
R3353	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3354	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R3355	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3358, 59	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	2	
R3360	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3361	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R3362	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3363	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R3364, 65	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
R3368	ERJ6GEYG474	M. RESISTOR CH 1/10W 470K	1	
R3369	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3370	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3371	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R3372, 73	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
R3375	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3501	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R3503	ERJ6GEYG153	M. RESISTOR CH 1/10W 15K	1	
R3504	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R3505	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R3506	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R3507	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R3509, 10	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	2	
R3511	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	
R3512	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R3513-15	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	3	
R3517	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R3518	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	
R3519	ERJ6GEYG562	M. RESISTOR CH 1/10W 5.6K	1	
R3520	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R3521	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R3522	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R3523	ERJ6GEYG182	M. RESISTOR CH 1/10W 1.8K	1	
R3524	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R3525	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	
R3526	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R3527, 28	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	2	
R3529	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
R3530	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R3531	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R3532	ERJ6GEYG272	M. RESISTOR CH 1/10W 2.7K	1	
R3533	ERJ6GEYG392	M. RESISTOR CH 1/10W 3.9K	1	
R3534	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R3535	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
R3536	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R3537	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R3538	ERJ6GEYG391	M. RESISTOR CH 1/10W 390	1	
R3545, 46	ERJ6GEYJ363	M. RESISTOR CH 1/10W 36K	2	
R3547	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R3548	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R3549	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	
R3550, 51	VRE0034E681	M. RESISTOR CH 1/10W 680	2	
R3552	VRE0034E122	M. RESISTOR CH 1/10W 1.2K	1	
R3553	VRE0034E201	M. RESISTOR CH 1/10W 200	1	
R3554	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R3555, 56	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
R3558	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R3559	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R3560	ERJ6GEYG562	M. RESISTOR CH 1/10W 5.6K	1	
R3561	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	
R3562	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R3564, 65	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	2	
R3566	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	
R3567	ERJ6GEYG683	M. RESISTOR CH 1/10W 68K	1	
R3568	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
R3569, 70	ERJ6GEYG682	M. REISITOR CH 1/10W 6.8K	2	
R3571	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	
R3572, 73	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	2	
R3574, 75	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
R3576	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3578, 79	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
R3582	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3583	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R3584, 85	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	2	
R3586-88	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	3	
R3589	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	

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Ref.No.	Part No.	Part Name & Descriptior	Pcs	Remarks
R3590	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R3591	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R3592	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R3593	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R3594	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3595	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R3596	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3597	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R3598	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R3599	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R3600	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3601, 02	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	
R3604	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3605-08	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	4	
R3611	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R3612	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3613	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3614	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R3615	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R3616	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3617	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3618	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R3619	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3620	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3621	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3623	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R3624	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3628-30	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	3	
R3632	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R3633	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3634, 35	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3636	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3637, 38	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3639	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3640, 41	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R3642	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R3643	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3644	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3645	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3646	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3647	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3648	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R3649	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R3650	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3651	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3652	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3653	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3654	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3655	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3656	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R3657	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3658	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R3659	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3660	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R3661	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3662	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R3663	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R3664, 65	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	2	
R3666	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R3667	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R3668	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3669	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R3670	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3671	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R3673, 74	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3676	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3677	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R3678	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3680	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3681, 82	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3683	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3684	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3685	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3686	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R3687	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	

Ref.No.	Part No.	Part Name & Descriptior	Pcs	Remarks
R3688	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3689	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3690	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	
R3691	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3692	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3693	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3694	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R3695	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3697	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3699	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3700	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3701	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
VC3201	ECV1ZW90X60	TRIMMER	1	
VR3001, 02	EVM7DGA00B53	V.RESISTOR 5K	2	
VR3003-05	EVM7DGA00B53	V.RESISTOR 5K	3	AG-DS555P ONLY
VR3006	EVM7DGA00B52	V.RESISTOR 500	1	
VR3007	EVM7DGA00B14	V.RESISTOR 10K	1	
VR3201, 02	EVM7DGA00B54	V.RESISTOR 50K	2	
VR3204	EVM7DGA00B54	V.RESISTOR 50K	1	
VR3205, 06	EVM7DGA00B14	V.RESISTOR 10K	2	
VR3501, 02	EVM7DGA00B24	V.RESISTOR 20K	2	
VR3504-06	EVM7DGA00B54	V.RESISTOR 50K	3	
VR3507	EVM7DGA00B24	V.RESISTOR 20K	1	
VR3508-11	EVM7DGA00B14	V.RESISTOR 10K	4	
X3201	VSX0160	CRYSTAL OSCILLATOR	1	
■ E7	VEP04420A	AUDIO (1) C.B.A.	1	(RTL)FOR AG-DS555P
■ E7	VEP04420B	AUDIO (1) C.B.A.	1	(RTL)FOR AG-DS545P
C40001	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40002	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	AG-DS555P ONLY
C40003	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40004	ECSF1EE106	E.CAPACITOR 25V 10M	1	AG-DS555P ONLY
C40005	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	AG-DS545P ONLY
C40006	ECEA1HN010S	E.CAPACITOR 50V 1U	1	AG-DS555P ONLY
C40007	ECEA1HGE010	E.CAPACITOR 50V 1U	1	AG-DS555P ONLY
C40008	ECEA1HGE100	E.CAPACITOR 50V 10U	1	AG-DS555P ONLY
C40009	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40010	ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40011	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40012	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	AG-DS555P ONLY
C40013	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	AG-DS555P ONLY
C40014	ECEA0JGE221	E.CAPACITOR 6.3V 220U	1	
C40015	ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C40016	ECQV1H334JL	P.CAPACITOR 50V 0.33U	1	
C40017	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40018	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40019	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40020	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40021	ECKW2H331KB	C.CAPACITOR 500V 330U	1	AG-DS555P ONLY
C40022	ECKD2H151KB	C.CAPACITOR 500V 150U	1	AG-DS555P ONLY
C40023	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	AG-DS555P ONLY
C40024	ECHS1H223JZ	P.CAPACITOR 50V 0.022U	1	AG-DS555P ONLY
C40025	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	AG-DS555P ONLY
C40026	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	AG-DS555P ONLY
C40027	ECQM2152KZ	P.CAPACITOR 1500P	1	AG-DS555P ONLY
C40028	ECEA1CGE101	E.CAPACITOR 16V 100U	1	AG-DS555P ONLY
C40029	ECSF1EE336B	E.CAPACITOR 25V 33U	1	
C40030	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40031, 32	ECSF1CE226B	E.CAPACITOR 16V 22U	2	
C40033	ECSF1EE106	E.CAPACITOR 25V 10U	1	
C40034	ECSF1HE105B	E.CAPACITOR 50V 1U	1	
C40035	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40036	ECSF1CE336	E.CAPACITOR 16V 33M	1	
C40037	ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40038	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40039	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C40040	ECEA1HGE2R2	E.CAPACITOR 50V 2.2U	1	
C40041, 42	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	2	
C40043	ECEA1HGE100	E.CAPACITOR 50V 10U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C 044	ECQB1H472JF	P. CAPACITOR 50V 4700P	1	
C 045	ECQB1H273JF	P. CAPACITOR 50V 0. 027U	1	
C40046	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
C40047	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C 048	ECQB1H562JF	P. CAPACITOR 50V 5600P	1	
C 049	ECEA1HGE010	E. CAPACITOR 50V 1U	1	
C 050	ECQB1H472JF	P. CAPACITOR 50V 4700P	1	
C40051	ECQM2152KZ	P. CAPACITOR 1500P	1	AG-DS555P ONLY
C40052	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
C 053	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	AG-DS555P ONLY
C 054	ECUM1H152KBN	C. CAPACITOR CH 50V 1500P	1	AG-DS555P ONLY
C40055	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	AG-DS555P ONLY
C40056	ECEA1HGE010	E. CAPACITOR 50V 1U	1	AG-DS555P ONLY
C40057, 58	ECEA1HN010S	E. CAPACITOR 50V 1U	2	AG-DS555P ONLY
C 059	ECUM1C104KBN	C. CAPACITOR CH 16V 0. 1U	1	AG-DS555P ONLY
C 060, 61	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	2	AG-DS555P ONLY
C40062	ECQB1H473JF	P. CAPACITOR 50V 0. 047U	1	AG-DS555P ONLY
C40063	ECEA1HGE100	E. CAPACITOR 50V 10U	1	AG-DS555P ONLY
064	ECEA1EN4R7S	E. CAPACITOR 25V 4. 7U	1	AG-DS555P ONLY
065	ECQB1H562JF	P. CAPACITOR 50V 5600P	1	AG-DS555P ONLY
066	ECUM1C104KBN	C. CAPACITOR CH 16V 0. 1U	1	AG-DS555P ONLY
C40068	ECUM1H392KBN	C. CAPACITOR CH 50V 3900P	1	AG-DS555P ONLY
C40069	ECQB1H123JF	P. CAPACITOR 50V 0. 012U	1	AG-DS555P ONLY
070	ECUM1H273KBN	C. CAPACITOR CH 50V 0. 027U	1	AG-DS555P ONLY
071	ECEA1HGE010	E. CAPACITOR 50V 1U	1	AG-DS555P ONLY
C40072	ECQB1H333JF	P. CAPACITOR 50V 0. 033U	1	AG-DS555P ONLY
C40073	ECEA1CGE471	E. CAPACITOR 16V 470U	1	
074	ECEA1CGE101	E. CAPACITOR 16V 100U	1	
075	ECUM1H153KBN	C. CAPACITOR CH 50V 0. 015U	1	AG-DS555P ONLY
076	ECEA1HGE010	E. CAPACITOR 50V 1U	1	AG-DS555P ONLY
C40077	ECUM1H152KBN	C. CAPACITOR CH 50V 1500P	1	
C40078	ECSF1EE336B	E. CAPACITOR 25V 33U	1	
079, 80	ECSF1CE226B	E. CAPACITOR 16V 22U	2	
081	ECSF1EE106	E. CAPACITOR 25V 10U	1	
C40082	ECSF1HE105B	E. CAPACITOR 50V 1U	1	
C40083	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C40084	ECSF1CE336	E. CAPACITOR 16V 33M	1	
085	ECQB1H823JF	P. CAPACITOR 50V 0. 082U	1	
086	ECEA1HGE4R7	E. CAPACITOR 50V 4. 7U	1	
C40087	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C40088	ECEA1HGE2R2	E. CAPACITOR 50V 2. 2U	1	
089	ECQB1H104JF	P. CAPACITOR 50V 0. 1U	1	AG-DS555P ONLY
090	ECUM1H560JCN	C. CAPACITOR CH 50V 56P	1	AG-DS555P ONLY
091	ECUM1H223KBN	C. CAPACITOR CH 50V 0. 022U	1	
C40092, 93	ECEA1HGE100	E. CAPACITOR 50V 10U	2	
C40094	ECUM1H223KBN	C. CAPACITOR CH 50V 0. 022U	1	
095	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
096	ECEA1CN100S	E. CAPACITOR 16V 10U	1	
C40097	ECEA1HGE100	E. CAPACITOR 50V 10U	1	AG-DS555P ONLY
C40098	ECUM1H273KBN	C. CAPACITOR CH 50V 0. 027U	1	AG-DS555P ONLY
099	ECEA1HN010S	E. CAPACITOR 50V 1U	1	AG-DS555P ONLY
0100	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	AG-DS545P ONLY
0101	ECSF1EE106	E. CAPACITOR 25V 10M	1	AG-DS555P ONLY
C40102	ECEA1HGE010	E. CAPACITOR 50V 1U	1	AG-DS555P ONLY
C40103	ECEA0JGE221	E. CAPACITOR 6. 3V 220U	1	
0104	ECQV1H334JL	P. CAPACITOR 50V 0. 33U	1	
0105	ECQB1H104JF	P. CAPACITOR 50V 0. 1U	1	
C40106	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
C40107	ECQB1H473JF	P. CAPACITOR 50V 0. 047U	1	
0108	ECEA1CGE101	E. CAPACITOR 16V 100U	1	
0109	ECEA1CGE221	E. CAPACITOR 16V 220U	1	
0110	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
C40111	ECQB1H273JF	P. CAPACITOR 50V 0. 027U	1	
C40112	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
0113	ECQB1H472JF	P. CAPACITOR 50V 4700P	1	
0114	ECQB1H562JF	P. CAPACITOR 50V 5600P	1	
C40115	ECEA1HGE010	E. CAPACITOR 50V 1U	1	
C40116	ECQB1H472JF	P. CAPACITOR 50V 4700P	1	
0117	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
0118	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	AG-DS555P ONLY
0119	ECQB1H562JF	P. CAPACITOR 50V 5600P	1	AG-DS555P ONLY
C40120	ECUM1C104KBN	C. CAPACITOR CH 16V 0. 1U	1	AG-DS555P ONLY
C40121	ECKW2H331KB	C. CAPACITOR 500V 330U	1	AG-DS555P ONLY
0122	ECKD2H151KB	C. CAPACITOR 500V 150U	1	AG-DS555P ONLY
0123	ECQM2152KZ	P. CAPACITOR 1500P	1	AG-DS555P ONLY

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C40124	ECEA1HGE010	E. CAPACITOR 50V 1U	1	AG-DS555P ONLY
C40125	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	AG-DS555P ONLY
C40126	ECUM1H152KBN	C. CAPACITOR CH 50V 1500P	1	AG-DS555P ONLY
C40127, 28	ECEA1HN010S	E. CAPACITOR 50V 1U	2	AG-DS555P ONLY
C40129	ECUM1C104KBN	C. CAPACITOR CH 16V 0. 1U	1	AG-DS555P ONLY
C40131	ECUM1H392KBN	C. CAPACITOR CH 50V 3900P	1	AG-DS555P ONLY
C40132	ECQB1H123JF	P. CAPACITOR 50V 0. 012U	1	AG-DS555P ONLY
C40133, 34	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	2	AG-DS555P ONLY
C40135	ECQB1H473JF	P. CAPACITOR 50V 0. 047U	1	AG-DS555P ONLY
C40136	ECEA1EN4R7S	E. CAPACITOR 25V 4. 7U	1	AG-DS555P ONLY
C40137	ECEA1HGE100	E. CAPACITOR 50V 10U	1	AG-DS555P ONLY
C40138	ECQB1H333JF	P. CAPACITOR 50V 0. 033U	1	AG-DS555P ONLY
C40139	ECEA1CGE471	E. CAPACITOR 16V 470U	1	
C40140, 41	ECEA1CGE101	E. CAPACITOR 16V 100U	2	
C40142	ECEA1HGE220	E. CAPACITOR 50V 22U	1	
C40143	ECEA1CGE101	E. CAPACITOR 16V 100U	1	
C40144	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C40145	ECEA1VGE330	E. CAPACITOR 35V 33U	1	
C40146	ECQB1H104JF	P. CAPACITOR 50V 0. 1U	1	
C40147	ECEA1VGE330	E. CAPACITOR 35V 33U	1	
C40148	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C40149	ECEA1HGE010	E. CAPACITOR 50V 1U	1	
C40150	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C40151	ECEA1VGE330	E. CAPACITOR 35V 33U	1	
C40152	ECEA1CGE101	E. CAPACITOR 16V 100U	1	
C40153	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C40154	ECEA1CGE101	E. CAPACITOR 16V 100U	1	
C40155	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
C40156-58	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	3	
C40159, 60	ECEA1HGE100	E. CAPACITOR 50V 10U	2	AG-DS555P ONLY
C40161	ECEA1AGE101	E. CAPACITOR 10V 100U	1	AG-DS555P ONLY
C40162, 63	ECEA1HGE100	E. CAPACITOR 50V 10U	2	AG-DS555P ONLY
C40164	ECEA1CN100S	E. CAPACITOR 16V 10U	1	AG-DS555P ONLY
C40165, 66	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	AG-DS555P ONLY
C40167	ECEA1HGE100	E. CAPACITOR 50V 10U	1	AG-DS555P ONLY
C40168	ECEA1CN100S	E. CAPACITOR 16V 10U	1	AG-DS555P ONLY
C40169	ECEA1VGE330	E. CAPACITOR 35V 33U	1	AG-DS555P ONLY
C40170	ECEA1HGE010	E. CAPACITOR 50V 1U	1	AG-DS555P ONLY
C40171	ECEA1CGE470	E. CAPACITOR 16V 47U	1	AG-DS555P ONLY
C40172	ECEA1VGE330	E. CAPACITOR 35V 33U	1	AG-DS555P ONLY
C40173	ECEA1CGE470	E. CAPACITOR 16V 47U	1	AG-DS555P ONLY
C40175	ECEA1CGE101	E. CAPACITOR 16V 100U	1	AG-DS555P ONLY
C40176	ECEA1CGE470	E. CAPACITOR 16V 47U	1	AG-DS555P ONLY
C40180-83	ECEA1HGE100	E. CAPACITOR 50V 10U	4	AG-DS555P ONLY
D40001	MA151K	DIODE	1	AG-DS555P ONLY
D40002	MA151K	DIODE	1	
D40003	MA151K	DIODE	1	AG-DS555P ONLY
D40004	MA151K	DIODE	1	
D40005, 06	MA151K	DIODE	2	AG-DS555P ONLY
D40007	MA151K	DIODE	1	
D40008, 09	MA151K	DIODE	2	AG-DS555P ONLY
D40010	MA151K	DIODE	1	
D40011	MA151K	DIODE	1	AG-DS555P ONLY
D40012, 13	MA151WA	DIODE	2	AG-DS555P ONLY
D40014, 15	MA151K	DIODE	2	
D40016	MA151WK	DIODE	1	
D40017	MA151K	DIODE	1	
D40018	MA723	DIODE	1	
D40019	MA165	DIODE	1	
D40020, 21	MA151K	DIODE	2	AG-DS555P ONLY
FL40001, 0	VLF0402	FILTER	2	
IC40001	HA12005	IC	1	
IC40002	NE646N	IC	1	
IC40003	HA12005	IC	1	
IC40004	NE646N	IC	1	
IC40005	UPC4558G2	IC	1	AG-DS555P ONLY
IC40006, 0	MN1280R	IC	2	
IC40008	AN360	IC	1	
IC40009	MC14053BF	IC	1	
IC40010-1	MC74HC595AF	IC	3	
IC40013-1	TD62503F	IC	3	
IC40016	MC14066BF	IC	1	AG-DS555P ONLY

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Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
IC40017	MC14053BF	IC	1	AG-DS555P ONLY
IC40018, 1	AN6558S	IC	2	AG-DS555P ONLY
IC40020	M51132L	IC	1	AG-DS555P ONLY
IC40021	TC7S32F	IC	1	
J40002-04	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	AG-DS555P ONLY
J40005	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J4008, 09	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	AG-DS545P ONLY
J40020	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	AG-DS545P ONLY
L40001	VLQEL06F102K	COIL	1	AG-DS555P ONLY
L40002	VLQ0123	COIL	1	AG-DS555P ONLY
L40003	VLQEL06F102K	COIL	1	AG-DS555P ONLY
L40004, 05	VLQEL06F471K	COIL	2	AG-DS555P ONLY
L40006	VLQEL06F102K	COIL	1	AG-DS555P ONLY
L40007	VLQ0123	COIL	1	AG-DS555P ONLY
L40008, 09	VLQEL06F102K	COIL	2	
L40010	VLQ0460	COIL	1	AG-DS555P ONLY
P40001	VJP1231T	CONNECTOR (MALE) 4P	1	AG-DS555P ONLY
P40002	VJP1230R	CONNECTOR (MALE)	1	
P40003	VJP1230T	CONNECTOR (MALE) 3P	1	
P40004	VJP3176B064	CONNECTOR (MALE)	1	
Q40001	2SD1306	TRANSISTOR	1	AG-DS555P ONLY
Q40002, 03	2SD1149-R	TRANSISTOR	2	AG-DS555P ONLY
Q40004	2SB709A	TRANSISTOR	1	AG-DS555P ONLY
Q40005, 06	MSD601	TRANSISTOR	2	AG-DS555P ONLY
Q40007	MSB709	TRANSISTOR	1	AG-DS555P ONLY
Q40008	2SD636	TRANSISTOR	1	
Q40009	2SD1862	TRANSISTOR	1	AG-DS555P ONLY
Q40010	2SB643	TRANSISTOR	1	AG-DS555P ONLY
Q40011	2SD1149-R	TRANSISTOR	1	AG-DS555P ONLY
Q40012	MSB709	TRANSISTOR	1	AG-DS555P ONLY
Q40013	2SD1149-R	TRANSISTOR	1	AG-DS555P ONLY
Q40014, 15	2SD602A	TRANSISTOR	2	AG-DS555P ONLY
Q40016, 17	2SB710A-R	TRANSISTOR	2	AG-DS555P ONLY
Q40018	2SD1862	TRANSISTOR	1	AG-DS555P ONLY
Q40019	MSB709	TRANSISTOR	1	AG-DS555P ONLY
Q40020, 21	2SD602A	TRANSISTOR	2	AG-DS555P ONLY
Q40022, 23	2SC2405-S	TRANSISTOR	2	
Q40024	2SD1306	TRANSISTOR	1	
Q40025	2SD1306	TRANSISTOR	1	AG-DS555P ONLY
Q40026	2SD1149-R	TRANSISTOR	1	AG-DS555P ONLY
Q40027	2SB709A	TRANSISTOR	1	AG-DS555P ONLY
Q40028	2SD1149-R	TRANSISTOR	1	AG-DS555P ONLY
Q40029, 30	MSD601	TRANSISTOR	2	AG-DS555P ONLY
Q40031	MSB709	TRANSISTOR	1	AG-DS555P ONLY
Q40032	2SD636	TRANSISTOR	1	
Q40033	2SD1149-R	TRANSISTOR	1	AG-DS555P ONLY
Q40034	MSB709	TRANSISTOR	1	AG-DS555P ONLY
Q40035	2SB643	TRANSISTOR	1	AG-DS555P ONLY
Q40036	2SD1862	TRANSISTOR	1	AG-DS555P ONLY
Q40037	MSB709	TRANSISTOR	1	AG-DS555P ONLY
Q40038, 39	2SD602A	TRANSISTOR	2	AG-DS555P ONLY
Q40040	2SB710A-R	TRANSISTOR	1	AG-DS555P ONLY
Q40041, 42	2SC2405-S	TRANSISTOR	2	
Q40043	2SD1306	TRANSISTOR	1	
Q40044	2SD1149-R	TRANSISTOR	1	AG-DS555P ONLY
Q40045	MSB709	TRANSISTOR	1	
Q40046	2SB710A-R	TRANSISTOR	1	
Q40047	2SD602-R	TRANSISTOR	1	AG-DS555P ONLY
Q40048	MSD601	TRANSISTOR	1	AG-DS555P ONLY
Q40049	2SD1862	TRANSISTOR	1	AG-DS555P ONLY
Q40050, 51	2SB710A-R	TRANSISTOR	2	AG-DS555P ONLY
QR40001-0	MRN1403	TRANSISTOR	3	AG-DS555P ONLY
QR40004	UN2114	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR40005	MRN1403	TRANSISTOR	1	AG-DS555P ONLY
QR40006	MRN1404	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR40007	MRN1403	TRANSISTOR	1	AG-DS555P ONLY
QR40008-1	MRN2403	TRANSISTOR-RESISTOR	3	
QR40011	MRN1403	TRANSISTOR	1	
QR40012	MRN1402	TRANSISTOR-RESISTOR	1	
QR40013	UN2217	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
QR40014	UN2215	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR40015-1	MRN1403	TRANSISTOR	3	AG-DS555P ONLY
QR40018	UN2114	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR40019	MRN1403	TRANSISTOR	1	AG-DS555P ONLY
QR40020-2	MRN2403	TRANSISTOR-RESISTOR	3	
QR40023	MRN1403	TRANSISTOR	1	
QR40024	MRN1402	TRANSISTOR-RESISTOR	1	
QR40025	MRN1403	TRANSISTOR	1	AG-DS555P ONLY
QR40026	UN2215	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR40027	UN2217	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR40028	MRN1404	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR40029-3	MRN2404	TRANSISTOR-RESISTOR	4	AG-DS555P ONLY
QR40050-5	MRN1402	TRANSISTOR-RESISTOR	4	AG-DS555P ONLY
R40001-03	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	3	AG-DS555P ONLY
R40004	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	AG-DS555P ONLY
R40005	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	AG-DS555P ONLY
R40006	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R40007	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	AG-DS555P ONLY
R40008	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	AG-DS555P ONLY
R40009	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	AG-DS555P ONLY
R40010	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R40011, 12	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	2	
R40013	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	AG-DS555P ONLY
R40014	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	AG-DS555P ONLY
R40015	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	AG-DS555P ONLY
R40016	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	AG-DS555P ONLY
R40017	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	AG-DS555P ONLY
R40018	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R40019	ERJ6GEYG824	M.RESISTOR CH 1/10W 820K	1	AG-DS555P ONLY
R40020, 21	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	AG-DS555P ONLY
R40022	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R40023	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	AG-DS555P ONLY
R40024	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R40025	ERJ6GEYG184	M.RESISTOR CH 1/10W 180K	1	
R40026, 27	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R40028	ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R40029	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R40030	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	AG-DS555P ONLY
R40031	VRE0034E564	M.RESISTOR CH 1/10W 560K	1	
R40032	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R40033	VRE0034E104	M.RESISTOR CH 1/10W 100K	1	
R40034	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R40035	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R40036	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R40037	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R40038	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R40039	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R40040	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R40041	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R40042	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R40043	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R40044	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	AG-DS555P ONLY
R40045	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R40046	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R40047	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	AG-DS555P ONLY
R40048	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R40049	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R40050, 51	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R40052	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R40053	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R40054	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R40055	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R40056	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R40057	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R40058	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R40059	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R40060	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R40061	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	AG-DS555P ONLY
R40062	ERJ6GEYG564	M.RESISTOR CH 1/10W 560K	1	AG-DS555P ONLY
R40063	ERJ14YJ330	M.RESISTOR CH 1/4W 33	1	AG-DS555P ONLY
R40064	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	AG-DS555P ONLY
R40065	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	AG-DS555P ONLY
R40066	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	AG-DS555P ONLY
R40067	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R 68	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	AG-DS555P ONLY
R 69	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	AG-DS555P ONLY
R 70	ERJ6GEYG823	M. RESISTOR CH 1/10W 82K	1	AG-DS555P ONLY
R40071	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	AG-DS555P ONLY
R40072	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	AG-DS555P ONLY
R 73	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	AG-DS555P ONLY
R 74	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	AG-DS555P ONLY
R40075	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	AG-DS555P ONLY
R40076	ERDS1TJ100	C. RESISTOR 1/2W 10	1	AG-DS555P ONLY
R 77	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	AG-DS555P ONLY
R 78	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R 79-81	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	3	AG-DS555P ONLY
R40082	ERJ6GEYG155	M. RESISTOR CH 1/10W 1. 5M	1	AG-DS555P ONLY
R40083	ERJ6GEYG392	M. RESISTOR CH 1/10W 3. 9K	1	AG-DS555P ONLY
R 84	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	AG-DS555P ONLY
R 85	ERJ6GEYG155	M. RESISTOR CH 1/10W 1. 5M	1	AG-DS555P ONLY
R40086, 87	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	AG-DS555P ONLY
R40088	ERJ14YJ220	M. RESISTOR CH 1/4W 22	1	AG-DS555P ONLY
R 089	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	AG-DS555P ONLY
090	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	AG-DS555P ONLY
091, 92	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	2	AG-DS555P ONLY
R40093, 94	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	2	AG-DS555P ONLY
R40095	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
096	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	AG-DS555P ONLY
097	ERJ6GEYG272	M. RESISTOR CH 1/10W 2. 7K	1	AG-DS555P ONLY
R40098	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	AG-DS555P ONLY
R40099	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	AG-DS555P ONLY
R40100	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	AG-DS555P ONLY
101	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	AG-DS555P ONLY
102	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	
R40103	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	AG-DS555P ONLY
R40104	VRE0034E564	M. RESISTOR CH 1/10W 560K	1	
0105	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	
0106	VRE0034E104	M. RESISTOR CH 1/10W 100K	1	
0107	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R40108	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R40109	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
0110	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
0111	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
R40112	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R40113	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
0114	ERJ6GEYF393	M. RESISTOR CH 1/10W 39K	1	
0115	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
0116	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R40117	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R40118	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	AG-DS555P ONLY
0119	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	AG-DS555P ONLY
0120	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R40121	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R40122	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R40123	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	
0124	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
0125	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	1	
R40127	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	AG-DS555P ONLY
R40128	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	AG-DS555P ONLY
0129	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	
0130	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	
R40131	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	AG-DS555P ONLY
R40132	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	
R40133	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	AG-DS555P ONLY
40134	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	AG-DS555P ONLY
40135	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	AG-DS555P ONLY
R40136	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	AG-DS555P ONLY
R40137	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
40138	ERJ6GEYG824	M. RESISTOR CH 1/10W 820K	1	AG-DS555P ONLY
40139	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	AG-DS555P ONLY
40140	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	
R40141	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R40142	ERJ6GEYG184	M. RESISTOR CH 1/10W 180K	1	
40143	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
40144	ERJ6GEYJ274	M. RESISTOR CH 1/10W 270K	1	
R40145	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R40146	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
40147	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
40148	ERJ6GEYG181	M. RESISTOR CH 1/10W 180	1	
R40149	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R40150	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
R40151	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	
R40152	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R40153	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	AG-DS555P ONLY
R40154	ERJ6GEYG564	M. RESISTOR CH 1/10W 560K	1	AG-DS555P ONLY
R40155	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	AG-DS555P ONLY
R40156	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	AG-DS555P ONLY
R40157	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	AG-DS555P ONLY
R40158	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	AG-DS555P ONLY
R40159	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	AG-DS555P ONLY
R40160	ERJ6GEYG823	M. RESISTOR CH 1/10W 82K	1	AG-DS555P ONLY
R40161-63	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	3	AG-DS555P ONLY
R40164	ERJ6GEYG155	M. RESISTOR CH 1/10W 1. 5M	1	AG-DS555P ONLY
R40165	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	AG-DS555P ONLY
R40166	ERJ6GEYG392	M. RESISTOR CH 1/10W 3. 9K	1	AG-DS555P ONLY
R40167	ERJ6GEYG155	M. RESISTOR CH 1/10W 1. 5M	1	AG-DS555P ONLY
R40168	ERJ14YJ330	M. RESISTOR CH 1/4W 33	1	AG-DS555P ONLY
R40169	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	AG-DS555P ONLY
R40170	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	AG-DS555P ONLY
R40171	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R40172	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	AG-DS555P ONLY
R40173	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	AG-DS555P ONLY
R40174	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	AG-DS555P ONLY
R40175	ERDS1TJ100	C. RESISTOR 1/2W 10	1	AG-DS555P ONLY
R40176	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	AG-DS555P ONLY
R40177	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R40178-80	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	3	AG-DS555P ONLY
R40181	ERJ6GEYG563	M. RESISTOR CH 1/10W 56K	1	
R40182	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R40183	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	
R40184	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R40185	ERJ6GEYG151	M. RESISTOR CH 1/10W 150	1	
R40186	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R40187, 88	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
R40189	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R40190	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R40191	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R40192-99	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	8	
R40200	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R40201	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R40202	ERJ6GEYG563	M. RESISTOR CH 1/10W 56K	1	
R40203	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	
R40204	ERJ6GEYG560	M. RESISTOR CH 1/10W 56	1	
R40205	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R40206	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R40207	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R40208	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R40209, 10	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	2	AG-DS555P ONLY
R40211	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R40212-15	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	4	AG-DS555P ONLY
R40216, 17	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	2	AG-DS555P ONLY
R40218	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R40219, 20	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	AG-DS555P ONLY
R40221	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R40222	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	AG-DS555P ONLY
R40223	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R40224-28	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	5	AG-DS555P ONLY
R40229	ERJ6GEYG151	M. RESISTOR CH 1/10W 150	1	AG-DS555P ONLY
R40230	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R40231, 32	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	2	AG-DS555P ONLY
R40233	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R40234	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	AG-DS555P ONLY
R40235, 36	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	AG-DS555P ONLY
R40237	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R40240, 41	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	2	AG-DS555P ONLY
R40242-46	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	5	
R40250	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R40251	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	AG-DS555P ONLY
R40252, 53	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	AG-DS555P ONLY
R40254	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	AG-DS555P ONLY
R40255	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	AG-DS555P ONLY
R40256	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	AG-DS555P ONLY
RY40001	VSY2074	RELAY	1	

VEP04420B / VEP04421A / VEP04421B

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
RY40002	VSY2074	RELAY	1	AG-DS555P ONLY
TL40001	VLT0146	TRANSFORMER	1	AG-DS555P ONLY
TL40002	VLT0143	TRANSFORMER	1	AG-DS555P ONLY
TL40003, C	VLT0145	TRANSFORMER	2	AG-DS555P ONLY
TL40005	VLT0146	TRANSFORMER	1	AG-DS555P ONLY
VR40002, C	EVN32CA00B23	V. RESISTOR 2K	2	
VR40004	EVN32CA00B15	V. RESISTOR 1M	1	AG-DS555P ONLY
VR40005	EVN32CA00B53	V. RESISTOR 5K	1	AG-DS555P ONLY
VR40007, C	EVN32CA00B23	V. RESISTOR 2K	2	
VR40009	EVN32CA00B15	V. RESISTOR 1M	1	AG-DS555P ONLY
VR40010	EVN32CA00B53	V. RESISTOR 5K	1	AG-DS555P ONLY
VR40011, 1	EVN32CA00B23	V. RESISTOR 2K	2	AG-DS555P ONLY
		MISCELLANEOUS		
E67	VSC3967	SHIELD CASE (UPPER)	1	
E68	VSC3968	SHIELD CASE (MIDDLE)	1	
E69	VSC3969	SHIELD CASE (LOWER)	1	
E71	VSC3971	SHIELD CASE (MIDDLE)	1	AG-DS555P ONLY
E72	VSC3972	SHIELD CASE (LOWER, BIAS)	1	AG-DS555P ONLY
■ E8	VEP04421A	AUDIO (2) C.B.A.	1	(RTL)FOR AG-DS555P
■ E8	VEP04421B	AUDIO (2) C.B.A.	1	(RTL)FOR AG-DS545P
C41001	ECEA1CGE471	E. CAPACITOR 16V 470U	1	
C41002	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C41003, 04	ECEA1HGE3R3	E. CAPACITOR 50V 3.3U	2	
C41005	ECQB1H682JF	P. CAPACITOR 50V 6800P	1	
C41006	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C41007	ECQB1H223JF	P. CAPACITOR 50V 0.022U	1	
C41008	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
C41009	ECEA1HGE4R7	E. CAPACITOR 50V 4.7U	1	
C41010	ECQB1H223JF	P. CAPACITOR 50V 0.022U	1	
C41011	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C41012	ECQB1H103JF	P. CAPACITOR 50V 0.01U	1	
C41013	ECQB1H332JF	P. CAPACITOR 50V 3300P	1	
C41014-16	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	3	
C41017	ECEA1HGE4R7	E. CAPACITOR 50V 4.7U	1	
C41018	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C41019	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C41020	ECEA1AGE101	E. CAPACITOR 10V 100U	1	
C41021, 22	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C41023	ECEA1AGE101	E. CAPACITOR 10V 100U	1	
C41024	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C41025	ECQB1H104JF	P. CAPACITOR 50V 0.1U	1	
C41026	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C41027	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C41028	ECUM1H331JCN	C. CAPACITOR CH 50V 330P	1	
C41029	ECQB1H104JF	P. CAPACITOR 50V 0.1U	1	
C41030	ECEA1VGE330	E. CAPACITOR 35V 33U	1	
C41031	ECQV1H274JL	P. CAPACITOR 50V 0.27U	1	
C41032, 33	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C41034	ECEA1AGE101	E. CAPACITOR 10V 100U	1	
C41035, 36	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C41037	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C41038	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C41039	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C41040	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C41041	ECEA1HGE4R7	E. CAPACITOR 50V 4.7U	1	
C41042-44	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	3	
C41045	ECQB1H332JF	P. CAPACITOR 50V 3300P	1	
C41046	ECQB1H103JF	P. CAPACITOR 50V 0.01U	1	
C41047	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C41048, 49	ECQB1H223JF	P. CAPACITOR 50V 0.022U	2	
C41050	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
C41051	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C41052	ECQB1H682JF	P. CAPACITOR 50V 6800P	1	
C41053, 54	ECEA1EN4R7S	E. CAPACITOR 25V 4.7U	2	AG-DS555P ONLY
C41055, 56	ECEA1HGE100	E. CAPACITOR 50V 10U	2	
C41057	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C41058	ECEA1HGE220	E. CAPACITOR 50V 22U	1	

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
C41059	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C41060	ECEA1AGE101	E. CAPACITOR 10V 100U	1	
C41061	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C41062	ECEA1AGE101	E. CAPACITOR 10V 100U	1	AG-DS555P ONLY
C41063, 64	ECEA1HGE010	E. CAPACITOR 50V 1U	2	AG-DS555P ONLY
C41065, 66	ECEA1CGE470	E. CAPACITOR 16V 47U	2	
C41067, 68	ECEA1CN100S	E. CAPACITOR 16V 10U	2	
C41069, 70	ECEA1HGE4R7	E. CAPACITOR 50V 4.7U	2	
C41071	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C41072-74	ECEA1CGE470	E. CAPACITOR 16V 47U	3	
C41075	ECEA1AGE221	E. CAPACITOR 10V 220U	1	
C41076	ECEA1VGE330	E. CAPACITOR 35V 33U	1	AG-DS555P ONLY
C41077	ECEA0JGE101	E. CAPACITOR 6.3V 100U	1	
C41078	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	AG-DS555P ONLY
C41079	ECEA1HGE100	E. CAPACITOR 50V 10U	1	AG-DS555P ONLY
C41080	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C41081	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	AG-DS555P ONLY
C41082	ECEA1CGE221	E. CAPACITOR 16V 220U	1	
C41083	ECEA1CN100S	E. CAPACITOR 16V 10U	1	AG-DS555P ONLY
C41084	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C41085	ECQB1H222JF	P. CAPACITOR 50V 2200P	1	
C41086, 87	ECEA1HGE100	E. CAPACITOR 50V 10U	2	
C41088	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C41089	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
C41090	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C41091	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C41092	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C41093	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
C41094, 95	ECEA1CGE470	E. CAPACITOR 16V 47U		
C41096	ECEA1CGE470	E. CAPACITOR 16V 47U	1	AG-DS555P ONLY
C41097, 98	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	AG-DS555P ONLY
C41099	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	AG-DS555P ONLY
C41100	ECUM1H120JCN	C. CAPACITOR CH 50V 12P	1	AG-DS555P ONLY
C41101	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C41102, 03	ECUM1H331JCN	C. CAPACITOR CH 50V 330P	2	AG-DS555P ONLY
C41104	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	AG-DS555P ONLY
C41106-08	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	3	AG-DS555P ONLY
C41109	ECEA1CGE470	E. CAPACITOR 16V 47U	1	AG-DS555P ONLY
C41110, 11	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	AG-DS555P ONLY
C41112, 13	ECUM1H331JCN	C. CAPACITOR CH 50V 330P	2	AG-DS555P ONLY
C41114	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	AG-DS555P ONLY
C41116	ECEA1CGE101	E. CAPACITOR 16V 100U	1	
C41117	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C41118	ECEA1CGE101	E. CAPACITOR 16V 100U	1	
C41119	ECEA1CGE471	E. CAPACITOR 16V 470U	1	
C41120	ECEA1CGE470	E. CAPACITOR 16V 47U	1	AG-DS555P ONLY
C41121	ECEA1HGE4R7	E. CAPACITOR 50V 4.7U	1	
C41122	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C41123	ECEA1HGE220	E. CAPACITOR 50V 22U	1	
C41124	ECEA1CGE101	E. CAPACITOR 16V 100U	1	
C41130	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
D41001, 02	1SS133	DIODE	2	
D41007, 08	MA4068-M	DIODE	2	
D41009	MA151K	DIODE	1	
D41010	MA157	DIODE	1	
D41011	MA157	DIODE	1	AG-DS555P ONLY
D41012, 13	MA3030	DIODE	2	
D41014	MA3068	DIODE	1	
D41015, 16	MA151K	DIODE	2	
D41017	MA153	DIODE	1	
FL41001	VLF0696	FILTER	1	
IC41001	BA7705K1	IC	1	
IC41002	AN78N05	IC	1	
IC41003	AN3912	IC	1	
IC41004	UPC4558G2	IC	1	
IC41005	UPC393G2	IC	1	
IC41006	MC14053BF	IC	1	
IC41007	UPC4558G2	IC	1	
IC41008	NJM2068MD	IC	1	
IC41009	UPC4558G2	IC	1	AG-DS555P ONLY
IC41010-1	MC14053BF	IC	3	
IC41013	UPC4558G2	IC	1	

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
I 014	MC14053BF	IC	1	
I 015	UPC4556G2	IC	1	
I..016, 1	AN6558S	IC	2	
L41001-03	VLQEL05S101J	COIL	3	
L 04-08	VLQEL06F102K	COIL	5	
L 09, 10	VLQEL05S101J	COIL	2	AG-DS555P ONLY
L41011	VLQEL05S150J	COIL	1	AG-DS555P ONLY
L41012	VLQEL05S101J	COIL	1	AG-DS555P ONLY
P 001	VJP3078	CONNECTOR (MALE)	1	
P 002	VJP3529	CONNECTOR (MALE)	1	AG-DS555P ONLY
P41003	VJP3176B064	CONNECTOR (MALE)	1	
Q 001	2SB709A-R	TRANSISTOR	1	AG-DS555P ONLY
Q 002, 03	2SD1306	TRANSISTOR	2	
Q41004	2SD636-R	TRANSISTOR	1	AG-DS555P ONLY
Q41005	XN1501	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
Q 006	MSD601	TRANSISTOR	1	
Q 007	MSD601	TRANSISTOR	1	AG-DS555P ONLY
Q 008	2SD1306	TRANSISTOR	1	
Q41009	2SD638-R	TRANSISTOR	1	
Q41010	2SB643	TRANSISTOR	1	
011	2SD1306	TRANSISTOR	1	AG-DS555P ONLY
012-14	MSD601	TRANSISTOR	3	
Q4 015	2SD1328-R	TRANSISTOR	1	
Q41016	2SD602A	TRANSISTOR	1	
Q41017, 18	2SD1306	TRANSISTOR	2	
019, 20	MSC2295	TRANSISTOR	2	AG-DS555P ONLY
021	MSD601	TRANSISTOR	1	AG-DS555P ONLY
Q41022-24	2SD602A-R	TRANSISTOR	3	AG-DS555P ONLY
Q41025	2SB644	TRANSISTOR	1	AG-DS555P ONLY
026	2SD639	TRANSISTOR	1	AG-DS555P ONLY
027	2SC2404-C	TRANSISTOR	1	AG-DS555P ONLY
..028	MSD601	TRANSISTOR	1	AG-DS555P ONLY
Q41029, 30	2SD602A-R	TRANSISTOR	2	AG-DS555P ONLY
Q41031	2SB644	TRANSISTOR	1	AG-DS555P ONLY
032	2SD639	TRANSISTOR	1	AG-DS555P ONLY
033	2SC2404-C	TRANSISTOR	1	AG-DS555P ONLY
Q41034	2SD602A-R	TRANSISTOR	1	AG-DS555P ONLY
Q41035	2SB793	TRANSISTOR	1	AG-DS555P ONLY
036	2SB710-R	TRANSISTOR	1	
037	2SD1306	TRANSISTOR	1	
038, 39	2SD1328-R	TRANSISTOR	2	
Q41040	2SD1306	TRANSISTOR	1	
Q41041, 42	2SD1328-R	TRANSISTOR	2	
043	2SD1306	TRANSISTOR	1	
044, 45	2SD1328-R	TRANSISTOR	2	
Q41046	2SD1306	TRANSISTOR	1	
Q41047, 48	2SD1328-R	TRANSISTOR	2	
41049	2SD601	TRANSISTOR	1	
1050	2SD973	TRANSISTOR	1	AG-DS555P ONLY
1051, 52	2SD1306	TRANSISTOR	2	
Q41053	2SB709A-R	TRANSISTOR	1	
Q41110, 11	2SC1740SX	TRANSISTOR	2	
41002, 0	MRN2403	TRANSISTOR-RESISTOR	2	
QR41004	MRN1403	TRANSISTOR	1	
QR41005	MRN1403	TRANSISTOR	1	AG-DS555P ONLY
QR41006, 0	MRN1404	TRANSISTOR-RESISTOR	2	
41008	MRN1403	TRANSISTOR	1	AG-DS555P ONLY
41009	MRN2404	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR41010, 1	MRN1404	TRANSISTOR-RESISTOR	2	AG-DS555P ONLY
QR41012	MRN1402	TRANSISTOR-RESISTOR	1	
1001, 02	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	2	AG-DS555P ONLY
R41003, 04	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
R41005, 06	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	2	
R41007	ERJ6GEYJ225	M. RESISTOR CH 1/10W 2. 2M	1	
1008, 09	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	2	
1010, 11	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	2	
R41012	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R41013	VRE0034E112	M. RESISTOR CH 1/10W 1. 1K	1	
1014	VRE0034E103	M. RESISTOR CH 1/10W 10K	1	
41015	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
R41016	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R41017	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R41018	ERJ6GEYG303	M. RESISTOR CH 1/10W 30K	1	
R41019	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	
R41020	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R41021	VRE0034E393	M. RESISTOR CH 1/10W 39K	1	
R41022	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R41023, 24	VRE0034E223	M. RESISTOR CH 1/10W 22K	2	
R41025	ERJ6GEYG163	M. RESISTOR CH 1/10W 16K	1	
R41026	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	1	
R41027	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R41028, 29	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	2	
R41030	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R41031	ERJ6GEYG563	M. RESISTOR CH 1/10W 56K	1	
R41032	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	
R41033, 34	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	2	
R41035	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	
R41036, 37	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	2	AG-DS555P ONLY
R41038	ERJ6GEYG181	M. RESISTOR CH 1/10W 180	1	
R41039	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R41040	ERJ6GEYG303	M. RESISTOR CH 1/10W 30K	1	
R41041	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R41042	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R41043	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	
R41044	VRE0034E103	M. RESISTOR CH 1/10W 10K	1	
R41045	VRE0034E112	M. RESISTOR CH 1/10W 1. 1K	1	
R41046	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R41047, 48	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	2	
R41049	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R41050	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	
R41051	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R41052	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	1	AG-DS555P ONLY
R41053	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R41054, 55	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	2	AG-DS555P ONLY
R41056	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	AG-DS555P ONLY
R41057	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	AG-DS555P ONLY
R41058	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	AG-DS555P ONLY
R41059	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	AG-DS555P ONLY
R41062	ERJ6GEYG392	M. RESISTOR CH 1/10W 3. 9K	1	
R41063	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R41064	ERJ6GEYG392	M. RESISTOR CH 1/10W 3. 9K	1	
R41065	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R41066-71	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	6	
R41072, 73	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	2	
R41074	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R41075, 76	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	2	
R41077	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R41078	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R41079	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	AG-DS555P ONLY
R41080	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R41081	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	1	AG-DS555P ONLY
R41082	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R41083, 84	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	AG-DS555P ONLY
R41085	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	AG-DS555P ONLY
R41086	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	AG-DS555P ONLY
R41087	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R41088	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	AG-DS555P ONLY
R41089	ERJ6GEYG272	M. RESISTOR CH 1/10W 2. 7K	1	AG-DS555P ONLY
R41090	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R41091	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R41092-94	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	3	AG-DS555P ONLY
R41095	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	AG-DS555P ONLY
R41096	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R41097	ERJ6GEYG680	M. RESISTOR CH 1/10W 68	1	
R41098	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R41099	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R41100	VRE0034E302	M. RESISTOR CH 1/10W 3K	1	
R41101	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R41102	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R41103	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R41104	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R41105, 06	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
R41107, 08	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	2	
R41109-11	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	3	
R41112	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	

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Ref.No.	Part No.	Part Name & Descriptior	Pcs	Remarks
R41113	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R41115	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41116	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R41117	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R41118	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R41119	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41120	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R41121	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41122	ERJ6GEYG391	M.RESISTOR CH 1/10W 390	1	
R41123	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R41124	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R41125	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R41126	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R41127, 28	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R41129	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R41130	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R41131	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41132, 33	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R41134	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R41135	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R41136	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41137	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1	AG-DS555P ONLY
R41138	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	AG-DS555P ONLY
R41139	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	AG-DS555P ONLY
R41140	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R41141	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	AG-DS555P ONLY
R41142	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	AG-DS555P ONLY
R41143	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	AG-DS555P ONLY
R41144	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	AG-DS555P ONLY
R41145	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R41146	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	AG-DS555P ONLY
R41147	ERJ6GEYG391	M.RESISTOR CH 1/10W 390	1	AG-DS555P ONLY
R41148	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	AG-DS555P ONLY
R41149	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41150	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	AG-DS555P ONLY
R41151	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	AG-DS555P ONLY
R41152	ERJ6GEYJ3R3	M.RESISTOR CH 1/10W 3.3	1	AG-DS555P ONLY
R41153	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	AG-DS555P ONLY
R41154	ERJ6GEYJ3R3	M.RESISTOR CH 1/10W 3.3	1	AG-DS555P ONLY
R41155, 56	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	AG-DS555P ONLY
R41157	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	AG-DS555P ONLY
R41158	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	AG-DS555P ONLY
R41159, 60	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	2	AG-DS555P ONLY
R41161	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	AG-DS555P ONLY
R41162, 63	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	2	AG-DS555P ONLY
R41164	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	AG-DS555P ONLY
R41165	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	AG-DS555P ONLY
R41167	ERJ6GEYG391	M.RESISTOR CH 1/10W 390	1	AG-DS555P ONLY
R41168	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	AG-DS555P ONLY
R41169	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	AG-DS555P ONLY
R41170	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	AG-DS555P ONLY
R41171	ERJ6GEYJ3R3	M.RESISTOR CH 1/10W 3.3	1	AG-DS555P ONLY
R41172	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	AG-DS555P ONLY
R41173	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	AG-DS555P ONLY
R41174, 75	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	2	AG-DS555P ONLY
R41176	ERJ6GEYJ3R3	M.RESISTOR CH 1/10W 3.3	1	AG-DS555P ONLY
R41177	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	AG-DS555P ONLY
R41178	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	AG-DS555P ONLY
R41179, 80	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	2	AG-DS555P ONLY
R41181, 82	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	AG-DS555P ONLY
R41183	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R41184	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41185	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R41186	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R41187	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R41188	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R41189	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R41190	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41191	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R41192-94	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	3	
R41195	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R41196	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R41197	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R41198	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R41199	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	

Ref.No.	Part No.	Part Name & Descriptior	Pcs	Remarks
R41200-03	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	4	
R41204	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R41205	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R41206	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R41207	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R41208	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41209	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R41210-12	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	3	
R41213	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R41214	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R41215	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R41216, 17	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R41218	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R41219	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41220	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R41221	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	AG-DS555P ONLY
R41222	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	AG-DS555P ONLY
R41223	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	AG-DS555P ONLY
R41224	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	AG-DS555P ONLY
R41226	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	AG-DS555P ONLY
R41227	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R41228, 29	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R41230	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R41231	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R41232	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R41233, 34	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R41235	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R41236, 37	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R41250, 51	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	AG-DS545P ONLY
R41252, 53	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	2	AG-DS555P ONLY
R41254	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R41255	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R41256	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R41257	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R41258	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41259	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R41260	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R41261	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R41262	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R41263	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R41264	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41265	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
SW41001	ESD145131	SWITCH	1	
VR41001	EVN32CA00B24	V.RESISTOR 20K	1	
VR41002	EVMF6SA00B14	V.RESISTOR 10K	1	
VR41003	EVN32CA00B23	V.RESISTOR 2K	1	AG-DS555P ONLY
VR41004	EVN32CA00B15	V.RESISTOR 1M	1	
VR41005	EVN32CA00B24	V.RESISTOR 20K	1	
VR41006	EVMF6SA00B14	V.RESISTOR 10K	1	
VR41007	EVN32CA00B14	V.RESISTOR 10K	1	AG-DS555P ONLY
VR41008, 0	EVN32CA00B23	V.RESISTOR 2K	2	AG-DS555P ONLY
VR41012, 1	EVN32CA00B23	V.RESISTOR 2K	2	
VR41014	EVN32CA00B53	V.RESISTOR 5K	1	
VR41015, 1	EVN32CA00B23	V.RESISTOR 2K	2	AG-DS555P ONLY
■ E9	VEP06903G	INTERFACE C.B.A.	1	(RTL)
C61001	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C61002, 03	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C61004	ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C61005-07	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C61008	ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C61009, 10	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	2	
C61011	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C61012	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C61013	ECEA1HU3R3	E.CAPACITOR 50V 3.3U	1	
C61014	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C61015	ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C61016-21	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C61026-29	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C61030	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	

VEP06903G / VEP06913H / VEP06913J

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
031-34	ECEA0JU470	E. CAPACITOR 6.3V 47U	4	
035. 36	ECEA1HU010	E. CAPACITOR 50V 1U	2	
C61037-48	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	12	
C61049-51	ECEA1CU100	E. CAPACITOR 16V 10U	3	
052	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
053	ECEA1CU100	E. CAPACITOR 16V 10U	1	
054	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
D61001-04	11EQS04	DIODE	4	
005-12	MA153	DIODE	8	
61001	VLF1016A470	FILTER	1	
FL61004	VLF0634	FILTER	1	
61001	HD641180XF6	IC	1	
1002	VSI2392	IC	1	
IC61003	X22C12P	IC	1	
IC61004	UPD65012FA19	IC	1	
1005	TL7705CPSB	IC	1	
1006	MC74HC4538AF	IC	1	
1007	MC74HC32AF	IC	1	
IC61008	TC7W00F	IC	1	
IC61009	TC7W04F	IC	1	
31010	MC74HC14AF	IC	1	
61011	MC34051M	IC	1	
61013	MC74HC541AF	IC	1	
IC61014	MC74HC245AF	IC	1	
61015	MC74HC541AF	IC	1	
61016	MC74HC138AF	IC	1	
51017	MB89363BPF	IC	1	
IC61018, 1	MB86023PF	IC	2	
IC61020-2	MC74HC4053F	IC	3	
61023	NJM2233BMA	IC	1	
61001	VLQEL05S470J	COIL	1	
L61002	VLQ0067	COIL	1	
61003, 04	VLP0054	COIL	2	
1006	VLP0017	COIL	1	
1007-09	VLQEL05S470J	COIL	3	
P61001	VJP3176B100	CONNECTOR (MALE)	1	
1002	VJP3076	CONNECTOR (MALE)	1	
1003	VJS3406D024	CONNECTOR (FEMALE)	1	
1004	VJS3505C080	CONNECTOR (FEMALE)	1	
P61009	VJP3092	CONNECTOR (MALE)	1	
P61010	VJP3088	CONNECTOR (MALE)	1	
61001	MSB709	TRANSISTOR	1	
Q61002, 03	MSD601	TRANSISTOR	2	
61001, 02	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	2	
61003, 04	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	2	
61005, 06	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	2	
R61007-12	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	6	
R61014-30	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	17	
61032, 33	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
61034	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R61035	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	
R61036, 37	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	2	
61038-47	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	10	
61048, 49	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	2	
61050	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R61051-55	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	5	
R61056-63	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	8	
61064	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
61065	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R61066-92	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	27	
R61094-13	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	20	
R61114-21	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	8	
61122-25	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	4	
61127-37	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	11	
R61140-58	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	19	
R61160-79	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	20	
R61180-82	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	3	
R61184	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R61185	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R61186	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R61187	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	
R61188	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	1	
R61189	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R61190	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R61191	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R61193-97	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	5	
R61198	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
X61001	VSX0373	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VJS2336A028	CONNECTOR	1	
■ E10	VEP06913H	TIME CODE C.B.A.	1	(RTL) FOR AG-DS555P
■ E10	VEP06913J	TIME CODE C.B.A.	1	(RTL) FOR AG-DS545P
C68001, 02	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C68003	ECEV1HVR22Q	E. CAPACITOR CH 50V 0.22U	1	
C68004, 05	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	2	
C68006, 07	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C68009	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C68010, 11	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	2	
C68012-16	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	5	
C68017	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C68018	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
C68019	ECUM1H560JCN	C. CAPACITOR CH 50V 56P	1	
C68020	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C68021	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C68023-25	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	3	
C68027	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C68028	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C68029, 30	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C68031	ECUM1H050CCN	C. CAPACITOR CH 50V 5P	1	AG-DS555P ONLY
C68032	ECUM1H560JCN	C. CAPACITOR CH 50V 56P	1	AG-DS555P ONLY
C68033	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	AG-DS555P ONLY
C68034	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C68035	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C68036	ECEV1HV2R2Q	E. CAPACITOR CH 50V 2.2U	1	AG-DS555P ONLY
C68037	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C68038, 39	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C68040	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C68041	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C68042	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	AG-DS555P ONLY
C68043	ECHU1C102JA5	P. CAPACITOR 16V 1000P	1	AG-DS555P ONLY
C68044	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C68045	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	AG-DS555P ONLY
C68046	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C68047	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C68048	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
D68001, 02	MA151K	DIODE	2	
D68004, 05	MA151K	DIODE	2	
IC68001	UPD78224J607	IC	1	
IC68002	MN51040VPI	IC	1	
IC68003	MB8421-90LPF	IC	1	
IC68004	M51951AML	IC	1	
IC68005, 0	MC74HC32AF	IC	2	
IC68007	MC74HC04AF	IC	1	
IC68011	MC74HC4053F	IC	1	
IC68012	AN1319S	IC	1	
IC68013, 1	MC74HC4053F	IC	2	
IC68015	TC74HC221AF	IC	1	AG-DS555P ONLY
IC68016	AN6912S	IC	1	
IC68017	UPD65005X436	IC	1	AG-DS555P ONLY
L68001	VLQ0319K221	COIL 220UH	1	AG-DS555P ONLY
P68001	VJP3507C060	CONNECTOR (MALE)	1	

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Ref.No.	Part No.	Part Name & Descriptior	Pcs	Remarks
Q68001	MSB709	TRANSISTOR	1	AG-DS555P ONLY
R68001-03	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	3	
R68004	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R68005,06	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R68007	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R68008	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R68009	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R68010	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R68011,12	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R68013	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R68014	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R68015,16	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	2	AG-DS555P ONLY
R68017	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R68018	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R68019	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R68020	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R68021	ERJ6GEYG394	M.RESISTOR CH 1/10W 390K	1	
R68022	ERJ6GEYG132	M.RESISTOR CH 1/10W 1.3K	1	
R68023	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R68024,25	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	
R68026	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R68027	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R68028	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R68029	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R68030	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R68031	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R68032	VRE0034E272	M.RESISTOR CH 1/10W 2.7K	1	AG-DS555P ONLY
R68034	VRE0034E153	M.RESISTOR CH 1/10W 15K	1	AG-DS555P ONLY
R68036,37	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	AG-DS555P ONLY
R68038	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R68039	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R68040	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R68041	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R68042,43	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R68044	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R68045	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R68046,47	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	2	
R68048	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R68049	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	AG-DS555P ONLY
R68050	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
SW68001	VSS0342	SWITCH	1	AG-DS555P ONLY
VR68001	VRV0161B203T	V.RESISTOR 20K	1	AG-DS555P ONLY
W68001	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68003	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68005	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68007	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68009	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68011	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68013,14	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
X68001	VSX0499	CRYSTAL OSCILLATOR	1	
X68002	VSX0498	CRYSTAL OSCILLATOR	1	
X68003	VSX0614	CRYSTAL OSCILLATOR	1	
■ E11	VEP08291A	TBC (1) C.B.A.	1	(RTL)
C8001,02	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8003	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C8004-09	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C8012	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8014	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8019,20	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8021	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C8025	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8026	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8051,52	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8053	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C8054	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8055	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	

Ref.No.	Part No.	Part Name & Descriptior	Pcs	Remarks
C8056	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8059	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C8060	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8062,63	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8064	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C8065	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8066	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C8067	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C8068-79	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	12	
C8080	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8101	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8102	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C8103,04	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8105	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8106	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C8107	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8108	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C8109	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C8110	ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8111,12	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C8113	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C8114,15	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8116	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8130	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8131	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8132	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C8133-35	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8136	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C8151	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8152	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C8153	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C8154	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8155	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C8156	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C8157,58	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C8159	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8160	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C8161	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8162	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C8163	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8164	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
C8166	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8167	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8168	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C8169	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8170,71	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8172	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8173	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8174,75	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C8176,77	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8178	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8179-81	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8183,84	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8185	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C8186-89	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C8190	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8201	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8202,03	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8204	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8205-07	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8208	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C8209	ECEV1HVR47Q	E.CAPACITOR CH 50V 0.47U	1	
C8210	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8211-13	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8214	ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C8217,18	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8219	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8220	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8221	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8222	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8223	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8224	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8225	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8226	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8227	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C 8-32	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	5	
C 3	ECEV1HVR47Q	E. CAPACITOR CH 50V 0.47U	1	
C 4	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C8235	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C 36	ECUM1H050CCN	C. CAPACITOR CH 50V 5P	1	
C 7	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C 8	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C8239-42	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	4	
C8243	ECEV1HVR47Q	E. CAPACITOR CH 50V 0.47U	1	
C 4	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C 5	ECUM1H050CCN	C. CAPACITOR CH 50V 5P	1	
C 6	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C8247	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8248	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	
C 9	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C 0-52	ECEV1HV010Q	E. CAPACITOR CH 50V 1U	3	
C8253	ECEV1HV3R3Q	E. CAPACITOR CH 50V 3.3U	1	
C8254-56	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	3	
C 57, 58	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	2	
C 9, 60	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	2	
C 1	ECUM1H331JCN	C. CAPACITOR CH 50V 330P	1	
C8262	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8263	ECEV1HN3R3Q	E. CAPACITOR CH 50V 3.3U	1	
C 5	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C 6	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C 67	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	
C8268	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C 69	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
70	ECEV1HVR47Q	E. CAPACITOR CH 50V 0.47U	1	
71, 72	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	2	
C8273	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8275	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
01	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
03-09	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	7	
10	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C8311	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8313	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
14	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	
15, 16	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	2	
C8317	ECEV0JV470Q	E. CAPACITOR CH6.3V 47U	1	
C8318-20	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	3	
22-27	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	6	
28	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
29	ECUM1H050CCN	C. CAPACITOR CH 50V 5P	1	
C8333, 34	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	2	
C8335, 36	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	2	
37	ECUM1H391JCN	C. CAPACITOR CH 50V 390P	1	
401-08	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	8	
C8413	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8515	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
516	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
520	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
523-25	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	3	
C8526-28	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	3	
C8551	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
552, 53	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	2	
555	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
D8001, 02	MA165	DIODE	2	
053	MA3051-L	DIODE	1	
054	MA3033-L	DIODE	1	
101	MA152WK	DIODE	1	
D8151	MA152K	DIODE	1	
D8153	MA335-R	DIODE	1	
154, 55	MA152K	DIODE	2	
156	MA153	DIODE	1	
8201-05	MA736	DIODE	5	
D8206	MA152K	DIODE	1	
8301	MA152WK	DIODE	1	
302	MA152K	DIODE	1	
550, 51	11EQS04	DIODE	2	
FL8201	VLF1015	FILTER	1	
.8202, 03	VLF1289	FILTER	2	
.8550, 51	VLF1016A223	FILTER	2	
FL8553-55	VLF1016A223	FILTER	3	
FL8556-58	VLF1016A470	FILTER	3	
FL8560	VLF1016A223	FILTER	1	
FL8561-63	VLF1016A470	FILTER	3	
FL8564-67	VLF1016A223	FILTER	4	
IC8001	CXD1175AM	IC	1	
IC8002	MC74HC574AF	IC	1	
IC8003	MN53030VMB	IC	1	
IC8004, 05	MB81C1501PF	IC	2	
IC8006	TC7WU04F	IC	1	
IC8011	74AC86SJ	IC	1	
IC8012	MN1382-R	IC	1	
IC8016	NJM78L05UA	IC	1	
IC8051	NJM78L09UA	IC	1	
IC8052	AN78L05	IC	1	
IC8053-55	NJM4565MD	IC	3	
IC8056	MC74HC574AF	IC	1	
IC8057	MB40778PF	IC	1	
IC8058	TC7S32F	IC	1	
IC8102	SN74LS123NS	IC	1	
IC8103	74F74SJ	IC	1	
IC8104	SN74LS123NS	IC	1	
IC8105	TC7S00F	IC	1	
IC8106, 07	TC7S14F	IC	2	
IC8109	AN91A12S	IC	1	
IC8151	MC74HC4053F	IC	1	
IC8152-54	NJM062M	IC	3	
IC8155	SN74LS123NS	IC	1	
IC8156	SN74LS221NS	IC	1	
IC8157	MC1648P	IC	1	
IC8158	74AC04SJ	IC	1	
IC8160	SC371026FU	IC	1	
IC8161	SN74LS221NS	IC	1	
IC8201	NJM082BM	IC	1	
IC8202	TC7S66F	IC	1	
IC8203	AD817AR	IC	1	
IC8204	TC7S66F	IC	1	
IC8205	NJM78L09UA	IC	1	
IC8206	NJM082BM	IC	1	
IC8207	AD826AR	IC	1	
IC8208	NJM082BM	IC	1	
IC8209	TC7S66F	IC	1	
IC8210	AN78L05	IC	1	
IC8211	AN3171S	IC	1	
IC8212	TC7S08F	IC	1	
IC8301	UPD65640B168	IC	1	
IC8302	SC371026FU	IC	1	
IC8303	MB81C1501PF	IC	1	
IC8306	74AC86SJ	IC	1	
IC8307	TC7SH02F	IC	1	
IC8308	NJM78L05UA	IC	1	
IC8309	MC74HC4053F	IC	1	
IC8312	AN78L05	IC	1	
IC8314, 15	74AC74SJ	IC	2	
IC8316, 17	TC7SH08F	IC	2	
IC8401	CG24143-4403	IC	1	
IC8402	TC7S32F	IC	1	
IC8403	TC7S08F	IC	1	
IC8406	TK16103M	IC	1	
IC8504	74AC74SJ	IC	1	
IC8506	TC7WU04F	IC	1	
IC8507	TC7SH04FU	IC	1	
IC8508, 09	TC7S08F	IC	2	
IC8551, 52	TC7S08F	IC	2	
IC8553	TC7SH04FU	IC	1	
IC8554, 55	TC7S08F	IC	2	
IC8556	TC7S04F	IC	1	
L8001	VLQ0319K101	COIL 100UH	1	
L8002	VLF1016A223	FILTER	1	
L8052, 53	VLQ0319K101	COIL 100UH	2	
L8101	VLQ0319K101	COIL 100UH	1	
L8102	VLQ0133J471	COIL 470UH	1	
L8151-54	VLQ0319K470	COIL 47UH	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L8155	VLQ0163J1R2	COIL 1.2UH	1	
L8156	VLQ0319K470	COIL 47UH	1	
L8201-04	VLQ0319K101	COIL 100UH	4	
L8301	VLQ0163J6R8	COIL 6.8UH	1	
L8503	VLQ0163J3R3	COIL 3.3UH	1	
L8550,51	VLQ0319K1R0	COIL	2	
P8551	VJP3176B100	CONNECTOR (MALE)	1	
Q8151,52	MSD601	TRANSISTOR	2	
Q8153	MSB709	TRANSISTOR	1	
Q8201-10	MSD601	TRANSISTOR	10	
Q8211	2SK198-R	TRANSISTOR	1	
R8001,02	ERJ8GCY0R00	M.RESISTOR CH 1/8W 0	2	
R8009	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R8010	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R8011	ERJ6GEYG390	M.RESISTOR CH 1/10W 39	1	
R8051	ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R8052	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R8053	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8055	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8056	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R8057	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R8060	ERJ6GEYG203	M.RESISTOR CH 1/10W 20K	1	
R8064	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R8066	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8067	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R8072-79	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	8	
R8080,81	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	2	
R8082	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R8083	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R8084	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R8085	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R8087-94	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	8	
R8095-97	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R8098	ERJ6GEYG560	M.RESISTOR CH 1/10W 56	1	
R8101	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8102	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R8103	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R8104	ERJ6GEYJ113	M.RESISTOR CH 1/10W 11K	1	
R8105	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R8106	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R8107	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R8108-10	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	3	
R8111	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R8112	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R8113	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R8119	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8120	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R8151	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R8152	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R8153	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R8154,55	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	2	
R8156	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R8157	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R8158	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8159	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R8160	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R8161	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R8162	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R8163	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R8164	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R8165	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R8166	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8167	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R8168	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8169	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R8170	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R8171	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R8172	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R8173	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8174	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R8175	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R8176	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R8177	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R8179	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8180	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R8201	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8202	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R8203	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R8204	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R8205	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R8206	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R8207	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R8208	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8209	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8210	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R8211	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8212	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R8213	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R8214	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R8215	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R8216	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R8217	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R8219	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R8220,21	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8222	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R8223	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R8224	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R8225	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8226	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R8227	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8228	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R8229	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8230	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R8231	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R8232	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R8233	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R8234	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R8235	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R8236	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8237	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R8238	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R8239	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R8240	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R8241	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8242	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8243	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R8244	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8245	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R8246	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R8247	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R8248	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8249	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8250	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R8251	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R8252	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R8253	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R8254	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R8255	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R8256	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R8257	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R8258	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8259	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R8260	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R8261	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8262	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R8263	ERJ6GEYF124	M.RESISTOR CH 1/10W 120K	1	
R8264,65	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R8266	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8267	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R8268	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R8269	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R8270	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R8271	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R8272	ERJ6GEYG391	M.RESISTOR CH 1/10W 390	1	
R8273	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R8274	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R8275	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	1	

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
R 76	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R 32	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	
R8283	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R8284	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R 35	ERJ6GEYG564	M. RESISTOR CH 1/10W 560K	1	
R 03	ERJ6GEYG202	M. RESISTOR CH 1/10W 2K	1	
R 04	VRE006624472	M. RESISTOR CH 1/10W 4.7K	1	
R8305	ERJ6GEYG511	M. RESISTOR CH 1/10W 510	1	
R8311	ERJ6GEYG182	M. RESISTOR CH 1/10W 1.8K	1	
R 13	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	1	
R 14	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
R8317	ERJ6GEYG560	M. RESISTOR CH 1/10W 56	1	
R8319	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R 20	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
21	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
23	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R8325	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8327	VRE006624472	M. RESISTOR CH 1/10W 4.7K	1	
28	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	1	
29-31	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	3	
R 32	ERJ6GEYG560	M. RESISTOR CH 1/10W 56	1	
R8333	ERJ6GEYJ150	M. RESISTOR CH 1/10W 15	1	
R 401, 02	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	2	
07-12	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	6	
14-16	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	3	
R8422	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	
R8423, 24	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	2	
27	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	
29	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
31	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
R8433, 34	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	2	
R8520	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	1	
521	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
522, 23	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	2	
R8524	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R8551-53	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	3	
554-56	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	3	
557-60	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	4	
561-65	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	5	
R8567-69	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	3	
R8570-75	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	6	
577	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
578-81	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	4	
R 582	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R8584, 85	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	2	
586-88	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	3	
589	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
590-92	ERJ8GCYOR00	M. RESISTOR CH 1/8W 0	3	
R8594	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R8595	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	1	
8401	VSS0170	SWITCH	1	
TG8053	VJR0098	TEST POINT	1	
TG8152	VJR0098	TEST POINT	1	
8550, 51	VJR0098	TEST POINT	2	
TH8201	ERTD2FGL102S	THERMISTOR 1K	1	
8001	EVN32CA00B53	V. RESISTOR 5K	1	
8002	EVN32CA00B23	V. RESISTOR 2K	1	
8151, 52	EVN32CA00B23	V. RESISTOR 2K	2	
VR8201	EVN32CA00B53	V. RESISTOR 5K	1	
VR8202	EVN32CA00B13	V. RESISTOR 1K	1	
8203	EVN32CA00B53	V. RESISTOR 5K	1	
8204, 05	EVN32CA00B13	V. RESISTOR 1K	2	
VR8206	EVN32CA00B24	V. RESISTOR 20K	1	
VR8207	EVN32CA00B14	V. RESISTOR 10K	1	
8302	EVN32CA00B13	V. RESISTOR 1K	1	
3201	VSX0864	CRYSTAL OSCILLATOR	1	
X8502	VSX0668	CRYSTAL OSCILLATOR	1	
E12	VEP08292A	TBC (2) C.B.A.	1	(RTL)

Ref. No.	Part No.	Part Name & Descriptior	Pcs	Remarks
C8601, 02	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	2	
C8603	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	
C8604	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C8605	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8606, 07	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	2	
C8608	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8609	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C8610	ECUM1H680JCN	C. CAPACITOR CH 50V 68P	1	
C8611, 12	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	2	
C8613	ECEV1HN010Q	E. CAPACITOR CH 50V 1U	1	
C8614	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C8615	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8616, 17	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	2	
C8618	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C8619	ECUM1H470JCN	C. CAPACITOR CH 50V 47P	1	
C8620-22	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	3	
C8623	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
C8624	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8625	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C8626, 27	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	2	
C8628	ECEV0JV101Q	E. CAPACITOR CH6.3V 100U	1	
C8629	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C8630	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C8631	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C8632	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C8633	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C8634	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C8635	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C8636	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C8637	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C8640	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8641	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C8642	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8643	ECEV1HN010Q	E. CAPACITOR CH 50V 1U	1	
C8644	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8645	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C8656-60	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	5	
C8662	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C8663	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C8664	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C8665	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C8671	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C8672	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8673	ECUM1H820JCN	C. CAPACITOR CH 50V 82P	1	
C8674	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C8675	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8676	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C8677	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8678	ECEV1VAN2R2	E. CAPACITOR CH 50V 2.2U	1	
C8679	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8680	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C8681	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8682	ECUM1H470JCN	C. CAPACITOR CH 50V 47P	1	
C8683, 84	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	2	
C8685	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C8686, 87	ECUM1H470JCN	C. CAPACITOR CH 50V 47P	2	
C8688	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C8689	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8690	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C8691	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
C8692	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
C8693, 94	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	2	
C8701	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8702	ECEV1CN100Q	E. CAPACITOR CH 16V 10U	1	
C8703	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C8704	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C8705	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8706	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C8707	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
C8708	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C8709-13	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	5	
C8714	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C8715	ECUM1H820JCN	C. CAPACITOR CH 50V 82P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8716-21	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	6	
C8722	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C8723	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
C8724, 25	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	2	
C8727, 28	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	2	
C8801	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C8802	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C8803	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C8804, 05	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	2	
C8806	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C8807, 08	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	2	
C8809, 10	ECEV0GV470Q	E. CAPACITOR CH 4V 47U	2	
C8811	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C8813-15	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	3	
C8816	ECEV0GV470Q	E. CAPACITOR CH 4V 47U	1	
C8817	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C8819	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8820	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
C8821	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	1	
C8822, 23	ECEV1HV010Q	E. CAPACITOR CH 50V 1U	2	
C8824	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C8826	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C8827	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8828	ECEV0JV101Q	E. CAPACITOR CH6. 3V 100U	1	
C8829	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8830	ECEV0JV101Q	E. CAPACITOR CH6. 3V 100U	1	
C8832	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8833	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C8835	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C8836, 37	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	2	
C8838	ECCF1H560JC	C. CAPACITOR 50V 56P	1	
C8840	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
C8841	ECEV1CV220Q	E. CAPACITOR CH 16V 22U	1	
C8842, 43	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	2	
C8846	ECUM1H103ZFN	C. CAPACITOR CH 50V 0. 01U	1	
C8847	ECUM1E473KBN	C. CAPACITOR CH 25V 0. 047U	1	
C8848	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C8849-51	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	3	
C8852	ECEV0GV470Q	E. CAPACITOR CH 4V 47U	1	
C8853	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8854	ECEV1HV010Q	E. CAPACITOR CH 50V 1U	1	
C8855	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C8856	ECUM1E473KBN	C. CAPACITOR CH 25V 0. 047U	1	
C8857	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8859-62	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	4	
C8863	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C8864	ECUM1E473KBN	C. CAPACITOR CH 25V 0. 047U	1	
C8865	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C8866	ECUM1H271JCN	C. CAPACITOR CH 50V 270P	1	
C8867	ECUM1H680JCN	C. CAPACITOR CH 50V 68P	1	
C8868	ECUM1H070DCN	C. CAPACITOR CH 50V 7P	1	
C8869	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C8870	ECUM1H121JCN	C. CAPACITOR CH 50V 120P	1	
C8871	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
C8889	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8890, 91	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	2	
C8892	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8893, 94	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	2	
C8895	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C8896, 97	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	2	
C8898, 99	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	2	
C8900	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C8901, 02	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	2	
C8903	ECUM1H820JCN	C. CAPACITOR CH 50V 82P	1	
C8904, 05	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	2	
C8906	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
C8907, 08	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	2	
C8909	ECUM1H271JCN	C. CAPACITOR CH 50V 270P	1	
C8910	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C8911, 12	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	2	
C8913	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	
C8914	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8915	ECUM1H820JCN	C. CAPACITOR CH 50V 82P	1	
C8920	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8921	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C8922	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8923	ECEV0GV470Q	E. CAPACITOR CH 4V 47U	1	
C8924	ECEV0JV470Q	E. CAPACITOR CH6. 3V 47U	1	
C8926-28	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	3	
C8930	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8932	ECUM1H470JCN	C. CAPACITOR CH 50V 47P	1	
C8938	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C8939	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8940, 41	ECUM1H120JCN	C. CAPACITOR CH 50V 12P	2	
C8945	ECUM1E104ZFN	C. CAPACITOR CH 25V 0. 1U	1	
C8946	ECUM1H080DCN	C. CAPACITOR CH 50V 8P	1	
C8947	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	
D8601	MA151WK	DIODE	1	
D8604, 05	MA723	DIODE	2	
D8671	MA151K	DIODE	1	
D8672	MA335-R	DIODE	1	
D8673	MA151K	DIODE	1	
D8701	MA151K	DIODE	1	
D8801, 02	MA335-R	DIODE	2	
D8803	MA151K	DIODE	1	
D8804	MA723	DIODE	1	
FL8601-05	VLF1016A223	FILTER	5	
FL8671	VLF1016A223	FILTER	1	
FL8672-75	VLF1016A470	FILTER	4	
FL8701	VLF1016A223	FILTER	1	
FL8801	VLF0921	FILTER	1	
FL8802, 03	VLF1289	FILTER	2	
IC8601	AN91A12S	IC	1	
IC8602	NE521D	IC	1	
IC8603, 04	MN74HC221S	IC	2	
IC8605	NJM082BM	IC	1	
IC8606	MN74HC221S	IC	1	
IC8607	MC74HCU04F	IC	1	
IC8608	MC74HC125AF	IC	1	
IC8609	NJM082BM	IC	1	
IC8613	NJM78L09UA	IC	1	
IC8671	MC14053BF	IC	1	
IC8672	NJM082BM	IC	1	
IC8673	NE521D	IC	1	
IC8674	NJM78L09UA	IC	1	
IC8701	UPD65650J203	IC	1	
IC8702	MN74HC221S	IC	1	
IC8703	MC74HCU04F	IC	1	
IC8704	TC7S08F	IC	1	
IC8705	NJM082BM	IC	1	
IC8706	TC7W04F	IC	1	
IC8708	MC74HC164F	IC	1	
IC8709	TC7S32F	IC	1	
IC8710	TC7S08F	IC	1	
IC8711	TC7SH08F	IC	1	
IC8801	AD826AR	IC	1	
IC8802	BA7655AF	IC	1	
IC8803	MM74HC221AM	IC	1	
IC8804	AD826AR	IC	1	
IC8805	NJM082BM	IC	1	
IC8806	M51272FP	IC	1	
IC8807	TC7S04F	IC	1	
IC8808	MC14053BF	IC	1	
IC8809	MC14013BF	IC	1	
IC8810	LM358PS	IC	1	
IC8811	TC7S66F	IC	1	
IC8812	LM358PS	IC	1	
IC8815	TC7S04F	IC	1	
L8601	VLQ0319K101	COIL 100UH	1	
L8602	VLQ0319K221	COIL 220UH	1	
L8603	VLQ0163J680	COIL 68UH	1	
L8604	VLQ0319K470	COIL 47UH	1	
L8605, 06	VLP0133	COIL	2	
L8612	VLQ0319K470	COIL 47UH	1	
L8614	VLQ0319K470	COIL 47UH	1	
L8671	VLQ0319K470	COIL 47UH	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
72	VLQ0163J221	COIL 220UH	1	
73	VLQ0319K470	COIL 47UH	1	
L8701	VLQ0319K470	COIL 47UH	1	
L8801, 02	VLQ0319K101	COIL 100UH	2	
03	VLQ0163J180	COIL 18UH	1	
04	VLQ0163J560	COIL 56UH	1	
05	VLQ0163J470	COIL 47UH	1	
L8806, 07	VLQ0319K101	COIL 100UH	2	
L8812	VLQ0319K101	COIL 100UH	1	
13	VLQ0163J270	COIL 27UH	1	
14	VLQ0163J6R8	COIL 6. 8UH	1	
L8815	VLQ0163J5R6	COIL 5. 6UH	1	
L8820, 21	VLQ0163J470	COIL 47UH	2	
22	VLQ0319K101	COIL 100UH	1	
23	VLQ0163J470	COIL 47UH	1	
24-27	VLQ0319K101	COIL 100UH	4	
L8828, 29	VLQ0163J100	COIL 10UH	2	
33	VJP3176B100	CONNECTOR (MALE)	1	
Q8671	MSB709	TRANSISTOR	1	
Q8672, 73	2SK608-R	TRANSISTOR	2	
01	MSD601	TRANSISTOR	1	
01-03	MSD601	TRANSISTOR	3	
04	MSB709	TRANSISTOR	1	
Q8805, 06	MSD601	TRANSISTOR	2	
8814, 15	MSD601	TRANSISTOR	2	
16	MSB709	TRANSISTOR	1	
17	MSC2295	TRANSISTOR	1	(B)
Q8818, 19	MSB709	TRANSISTOR	2	
Q8820	MSC2295	TRANSISTOR	1	(B)
321	MSB709	TRANSISTOR	1	
322	MSC2295	TRANSISTOR	1	(B)
823	MSB709	TRANSISTOR	1	
Q8824, 25	MSD601	TRANSISTOR	2	
8827, 28	MSD601	TRANSISTOR	2	
601	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R8602	ERJ6GEYJ684	M. RESISTOR CH 1/10W 680K	1	
R8603	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
604, 05	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	2	
606	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
607-10	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	4	
R8611	ERJ6GEYG683	M. RESISTOR CH 1/10W 68K	1	
612	ERJ6GEYG184	M. RESISTOR CH 1/10W 180K	1	
613, 14	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	2	
615	ERJ6GEYG563	M. RESISTOR CH 1/10W 56K	1	
R8616	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	
R8617	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	
618	ERJ6GEYG563	M. RESISTOR CH 1/10W 56K	1	
619	ERJ6GEYJ684	M. RESISTOR CH 1/10W 680K	1	
8620	ERJ6GEYG392	M. RESISTOR CH 1/10W 3. 9K	1	
R8621	ERJ6GEYG272	M. RESISTOR CH 1/10W 2. 7K	1	
622, 23	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
624	ERJ6GEYG122	M. RESISTOR CH 1/10W 1. 2K	1	
625	ERJ6GEYG823	M. RESISTOR CH 1/10W 82K	1	
R8626	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R8628	ERJ6GEYG153	M. RESISTOR CH 1/10W 15K	1	
630	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
631	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	1	
R8635	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R8671	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
8672	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
8673	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
8674	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8675	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8677	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
8678	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	
8679	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R8680	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	1	
R8681	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
8682	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
8683	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	
8684	ERJ6GEYG153	M. RESISTOR CH 1/10W 15K	1	
R8685, 86	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8687, 88	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	2	
R8689	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8690	ERJ6GEYG272	M. RESISTOR CH 1/10W 2. 7K	1	
R8691	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	
R8692	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R8693	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R8696, 97	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	2	
R8702	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8703	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R8704	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R8705	ERJ6GEYJ684	M. RESISTOR CH 1/10W 680K	1	
R8706	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	
R8707	ERJ6GEYG563	M. RESISTOR CH 1/10W 56K	1	
R8708	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	
R8709	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	
R8710	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R8713	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8715	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8717-21	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	5	
R8722-27	ERJ6GEYG560	M. RESISTOR CH 1/10W 56	6	
R8728	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8729	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R8731, 32	ERJ6GEYG560	M. RESISTOR CH 1/10W 56	2	
R8733, 34	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	2	
R8735	ERJ6GEYG560	M. RESISTOR CH 1/10W 56	1	
R8736	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R8737	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R8739	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8740	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8741	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R8743	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8745, 46	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	2	
R8748	ERJ6GEYG560	M. RESISTOR CH 1/10W 56	1	
R8750	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8751	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
R8752	VLP0145	COIL	1	
R8801, 02	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
R8803	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8804	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R8805	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R8806	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8807	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R8808	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	
R8809	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8810-12	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	3	
R8813	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8814	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8815	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R8816	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8817	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R8818	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	
R8822	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R8823	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
R8824	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8825	ERJ6GEYG271	M. RESISTOR CH 1/10W 270	1	
R8826	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R8827	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8828	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8829	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8830	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R8831	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8832	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	
R8833	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8834	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R8836	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R8838	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R8839	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8840	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R8841	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8842	ERJ6GEYG122	M. RESISTOR CH 1/10W 1. 2K	1	
R8843	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R8844	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8846	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R8849	ERJ6GEYG122	M. RESISTOR CH 1/10W 1. 2K	1	
R8850	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8851	ERJ6GEYG163	M. RESISTOR CH 1/10W 16K	1	
R8853	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R8855	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R8856	ERJ6GEYG163	M. RESISTOR CH 1/10W 16K	1	
R8857	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8860	ERJ6GEYG301	M. RESISTOR CH 1/10W 300	1	
R8861	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8862	ERJ6GEYG301	M. RESISTOR CH 1/10W 300	1	
R8864	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	
R8865	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	
R8867	VRE0034E272	M. RESISTOR CH 1/10W 2. 7K	1	
R8871	VRE0034E272	M. RESISTOR CH 1/10W 2. 7K	1	
R8884	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8885	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8886	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8887	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8888	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R8889	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8890	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8891	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8892	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8893	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R8896	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8897	ERJ6GEYG181	M. RESISTOR CH 1/10W 180	1	
R8898	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R8899	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R8900	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8901	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8902	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R8903	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8904	ERJ6GEYG122	M. RESISTOR CH 1/10W 1. 2K	1	
R8905	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R8906-08	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	3	
R8909	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R8910	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8911	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	
R8912	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	
R8913	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8914	ERJ6GEYG122	M. RESISTOR CH 1/10W 1. 2K	1	
R8915	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	1	
R8916	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
R8917	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	1	
R8918	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	
R8919	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R8920	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R8921, 22	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
R8923	ERJ6GEYG122	M. RESISTOR CH 1/10W 1. 2K	1	
R8924	ERJ6GEYG181	M. RESISTOR CH 1/10W 180	1	
R8925	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R8926	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8927	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8940	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8941	ERJ6GEYG242	M. RESISTOR CH 1/10W 2. 4K	1	
R8942	ERJ6GEYF124	M. RESISTOR CH 1/10W 120K	1	
R8943	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	
R8944	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8945	ERJ6GEYG683	M. RESISTOR CH 1/10W 68K	1	
R8947	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R8948	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	
R8949	ERJ6GEYG122	M. RESISTOR CH 1/10W 1. 2K	1	
R8952	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R8953, 54	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	2	
R8955-57	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	3	
R8958	ERJ6GEYG392	M. RESISTOR CH 1/10W 3. 9K	1	
R8959, 60	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	2	
R8962, 63	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	2	
R8964, 65	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
R8966	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R8968	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R8974	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8975, 76	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	2	
R8979	ERJ6GEYG683	M. RESISTOR CH 1/10W 68K	1	
R8980	ERJ6GEYG912	M. RESISTOR CH 1/10W 9. 1K	1	
R8982	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R8983	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8984	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R8987, 88	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	2	
R8990	ERDS2TJ333	C. RESISTOR 1/4W 33K	1	
SW8701	VSR0045	SWITCH	1	
TH8801	ERTD2FHL102S	THERMISTOR 1K	1	
VC8671	ECV1ZW20X60	TRIMMER	1	
VR8601	EVN32CA00B54	V. RESISTOR 50K	1	
VR8602	EVN32CA00B53	V. RESISTOR 5K	1	
VR8603	EVN32CA00B14	V. RESISTOR 10K	1	
VR8671	EVN32CA00B23	V. RESISTOR 2K	1	
VR8701	EVN32CA00B53	V. RESISTOR 5K	1	
VR8801, 02	EVN32CA00B14	V. RESISTOR 10K	2	
VR8803	EVN32CA00B13	V. RESISTOR 1K	1	
VR8804	EVN32CA00B23	V. RESISTOR 2K	1	
VR8805	EVN32CA00B24	V. RESISTOR 20K	1	
VR8806	EVN32CA00B13	V. RESISTOR 1K	1	
VR8807, 08	EVN32CA00B23	V. RESISTOR 2K	2	
VR8814	EVN32CA00B13	V. RESISTOR 1K	1	
VR8815	EVN32CA00B52	V. RESISTOR 500	1	
X8601	VSX0338	CRYSTAL OSCILLATOR	1	
X8671	VSX0081	CRYSTAL OSCILLATOR	1	
■ E13	VEP03D60A	YC REC C. B. A.	1	(RTL) AG-DS555P ONLY
C9001	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C9002	ECUM1H332KBN	C. CAPACITOR CH 50V 3300P	1	
C9003	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C9004	ECUM1H562KBN	C. CAPACITOR CH 50V 5600P	1	
C9005	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
C9006	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C9007	ECEA1HGE220	E. CAPACITOR 50V 22U	1	
C9009	ECUM1H040CCN	C. CAPACITOR CH 50V 4P	1	
C9010	ECUM1H120JCN	C. CAPACITOR CH 50V 12P	1	
C9011	ECEA1HGE4R7	E. CAPACITOR 50V 4. 7U	1	
C9012	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C9013	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
C9014, 15	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
C9016	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C9017	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C9018	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C9019	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C9020	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
C9021	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
C9022	ECUM1H560JCN	C. CAPACITOR CH 50V 56P	1	
C9023	ECUM1H332KBN	C. CAPACITOR CH 50V 3300P	1	
C9024	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C9025	ECUM1H562KBN	C. CAPACITOR CH 50V 5600P	1	
C9026	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
C9027, 28	ECEA1HGE220	E. CAPACITOR 50V 22U	2	
C9029	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
C9030	ECEA1HGE4R7	E. CAPACITOR 50V 4. 7U	1	
C9033	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C9034	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
C9035	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C9036	ECEA1HGE3R3	E. CAPACITOR 50V 3. 3U	1	
C9037	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C9038	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
C9039	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C9040	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C9041	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C9042	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
C9043	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C9044	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C9045	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C9047	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C9048	ECUM1H681JCN	C. CAPACITOR CH 50V 680P	1	
C9049	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	1	
C9050	ECUM1H123KBN	C. CAPACITOR CH 50V 0. 012U	1	

E, J3D60A

ef. No.	Part No.	Part Name & Description	Pcs	Remarks
[illegible]	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
53	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
[illegible]	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
055	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
[illegible]	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
[illegible]	ECUM1H560JCN	C. CAPACITOR CH 50V 56P	1	
[illegible]	ECUM1H120JCN	C. CAPACITOR CH 50V 12P	1	
059	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
060	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	
[illegible]	ECUM1H060DCN	C. CAPACITOR CH 50V 6P	1	
[illegible]	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
[illegible]	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
066	ECUM1H470JCN	C. CAPACITOR CH 50V 47P	1	
[illegible]	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
[illegible]	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
[illegible]	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
070	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
071	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
[illegible]	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
75	ECUM1H080DCN	C. CAPACITOR CH 50V 8P	2	
[illegible]	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
078	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
[illegible]	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
[illegible]	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
[illegible]	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
9082	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
9083	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
9	ECUM1H122KBN	C. CAPACITOR CH 50V 1200P	1	
9	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
93	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
9302	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
93	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
9	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
9	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
9306	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
9307	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
9	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
9	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
9310	ECQV1H823JL	P. CAPACITOR 50V 0. 082U	1	
9311	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
9	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
9	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
9	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
9315	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
9316, 17	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
9	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
9	ECEA1HGE220	E. CAPACITOR 50V 22U	1	
9320	ECEA1CGE470	E. CAPACITOR 16V 47U	1	
9321	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
9	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
9	ECUM1H080DCN	C. CAPACITOR CH 50V 8P	1	
9	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
9326, 27	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
9329	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
9	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
9	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
9332, 33	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	2	
9334	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
9	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
9	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
9	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
9505	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
9	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
9[illegible], 03	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	2	
9	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
9606-13	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	8	
9615	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
9[illegible]-21	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	5	
9	ECUM1H103ZFN	C. CAPACITOR CH 50V 0. 01U	1	
9[illegible]1, 52	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	2	
9653	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	1	
9	ECEA1HGE100	E. CAPACITOR 50V 10U	1	
9	ECEA0JGE101	E. CAPACITOR 6. 3V 100U	1	
[illegible]-58	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	3	
9659	ECUM1H560JCN	C. CAPACITOR CH 50V 56P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9680	ECUM1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	
C9691	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C9692	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	
C9693	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C9694	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	
C9697	ECUM1H103KBN	C. CAPACITOR CH 50V 0. 01U	1	
D9001	MA28W-B	DIODE	1	
D9003-07	MA152K	DIODE	5	
D9008	MA28W-B	DIODE	1	
D9301, 02	MA152K	DIODE	2	
D9501	11EQS04	DIODE	1	
D9655	MA704	DIODE	1	
FL9001	VLF1327	FILTER	1	
FL9002	VLF1328	FILTER	1	
FL9003	VLF1128	FILTER	1	
FL9004	VLF1331	FILTER	1	
FL9601	VLF1016A223	FILTER	1	
FL9602	VLF1333	FILTER	1	
IC9001	AN3916	IC	1	
IC9003	AN3916	IC	1	
IC9004	TC7S66F	IC	1	
IC9005	LM324NS	IC	1	
IC9007	TC74HC123AF	IC	1	
IC9008	TC4S584F	IC	1	
IC9009	TC74HC123AF	IC	1	
IC9010	BA7655AF	IC	1	
IC9011, 12	TC7S04F	IC	2	
IC9013	TC4W53F	IC	1	
IC9014	TC7S66F	IC	1	
IC9301	AN6366NS	IC	1	
IC9302	NJM2234MA	IC	1	
IC9303	TC4W53F	IC	1	
IC9601	CXD2105AQ	IC	1	
IC9602	SN74LS221NS	IC	1	
IC9603	AN78L05	IC	1	
IC9606	TC7WU04F	IC	1	
IC9655	CXD1175AM	IC	1	
IC9691	MC74HC74AF	IC	1	
L9001	VLQ0163J120	COIL 12UH	1	
L9002	VLQ0163J220	COIL 22UH	1	
L9003, 04	VLQ0319K101	COIL 100UH	2	
L9005	VLQ0163J150	COIL 15UH	1	
L9006	VLQ0163J180	COIL 18UH	1	
L9007-11	VLQ0319K101	COIL 100UH	5	
L9013	VLQ0163J270	COIL 27UH	1	
L9015	VLQ0163J270	COIL 27UH	1	
L9301	VLQ0163J150	COIL 15UH	1	
L9302	VLQ0163J180	COIL 18UH	1	
L9303	VLQ0319K101	COIL 100UH	1	
L9304	VLQ0163J101	COIL 100UH	1	
L9305	VLQ0319K101	COIL 100UH	1	
L9501	VLP0133	COIL	1	
L9602	VLQ0319K101	COIL 100UH	1	
L9691, 92	VLQ0163J2R7	COIL 2. 7UH	2	
L9693	VLQ0163J151	COIL	1	
P9501, 02	VJS2907D018	CONNECTOR (FEMALE)	2	
P9503	VJP1246T	CONNECTOR (MALE) 6P	1	
P9601	VJP1141	CONNECTOR (MALE) 2P	1	
Q9001, 02	MSD601	TRANSISTOR	2	
Q9003	MSC2295	TRANSISTOR	1	(B)
Q9004	2SA1022-C	TRANSISTOR	1	
Q9005	MSB709	TRANSISTOR	1	
Q9006	MSC2295	TRANSISTOR	1	(B)
Q9007	2SA1022-C	TRANSISTOR	1	
Q9008	MSD601	TRANSISTOR	1	
Q9009	MSB709	TRANSISTOR	1	
Q9010	MSC2295	TRANSISTOR	1	(B)
Q9011	2SA1022-C	TRANSISTOR	1	
Q9012	MSB709	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q9013, 14	MSD601	TRANSISTOR	2	
Q9015, 16	MSB709	TRANSISTOR	2	
Q9017	MSC2295	TRANSISTOR	1	(B)
Q9018	2SA1022-C	TRANSISTOR	1	
Q9019-21	MSB709	TRANSISTOR	3	
Q9022	MSD601	TRANSISTOR	1	
Q9023	MSB709	TRANSISTOR	1	
Q9024	2SA1022-C	TRANSISTOR	1	
Q9025	MSD601	TRANSISTOR	1	
Q9026, 27	2SA1022-C	TRANSISTOR	2	
Q9028	MSD601	TRANSISTOR	1	
Q9029	MSC2295	TRANSISTOR	1	(B)
Q9030	2SA1022-C	TRANSISTOR	1	
Q9031	MSD601	TRANSISTOR	1	
Q9032, 33	2SA1022-C	TRANSISTOR	2	
Q9034	MSD601	TRANSISTOR	1	
Q9035	MSC2295	TRANSISTOR	1	(B)
Q9036	2SA1022-C	TRANSISTOR	1	
Q9037	MSD601	TRANSISTOR	1	
Q9301	2SK374-R	TRANSISTOR	1	
Q9302-04	MSC2295	TRANSISTOR	3	(B)
Q9305	MSB709	TRANSISTOR	1	
Q9306	MSC2295	TRANSISTOR	1	(B)
Q9307	MSD601	TRANSISTOR	1	
Q9691	MSB709	TRANSISTOR	1	
QR9001	XN4601	TRANSISTOR-TRANSISTOR	1	
QR9003	XN4601	TRANSISTOR-TRANSISTOR	1	
QR9004	MRN1404	TRANSISTOR-RESISTOR	1	
QR9005	XN1213	TRANSISTOR-TRANSISTOR	1	
QR9301	MRN1402	TRANSISTOR-RESISTOR	1	
QR9302	MRN1404	TRANSISTOR-RESISTOR	1	
R9001	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R9002	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
R9003, 04	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	2	
R9005	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R9006	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	
R9007	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	
R9008	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R9009	ERJ6GEYG271	M. RESISTOR CH 1/10W 270	1	
R9010	ERJ6GEYG391	M. RESISTOR CH 1/10W 390	1	
R9011	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R9012	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1	
R9013	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R9014-17	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	4	
R9018	ERJ6GEYG391	M. RESISTOR CH 1/10W 390	1	
R9019	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
R9020	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R9021	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R9022	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1	
R9023	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R9024	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R9025	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R9027	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1	
R9028	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R9029, 30	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	2	
R9031	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R9032	ERJ6GEYG184	M. RESISTOR CH 1/10W 180K	1	
R9033	ERJ6GEYG392	M. RESISTOR CH 1/10W 3. 9K	1	
R9034	ERJ6GEYF393	M. RESISTOR CH 1/10W 39K	1	
R9035	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R9036, 37	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	2	
R9038	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R9039	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	
R9040	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R9041, 42	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	2	
R9043	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R9044	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R9045	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1	
R9046	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R9047	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R9048	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R9049	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1	
R9050	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9051	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	
R9053	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R9054	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	
R9055	ERJ6GEYG153	M. RESISTOR CH 1/10W 15K	1	
R9056	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R9057	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
R9058	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R9059	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R9061	ERJ6GEYG560	M. RESISTOR CH 1/10W 56	1	
R9062	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R9065, 66	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	2	
R9067	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R9068	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R9069	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R9070	ERJ6GEYG564	M. RESISTOR CH 1/10W 560K	1	
R9071	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R9074	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R9075	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R9076	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1	
R9077	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R9078	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R9080	ERJ6GEYG392	M. RESISTOR CH 1/10W 3. 9K	1	
R9081	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	
R9082, 83	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	2	
R9084	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R9085	ERJ6GEYG151	M. RESISTOR CH 1/10W 150	1	
R9086	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	1	
R9087	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R9088	ERJ6GEYG560	M. RESISTOR CH 1/10W 56	1	
R9089	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R9090	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R9091	ERJ6GEYG222	M. RESISTOR CH 1/10W 2. 2K	1	
R9092	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	1	
R9093	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R9094	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
R9095	ERJ6GEYG272	M. RESISTOR CH 1/10W 2. 7K	1	
R9096	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
R9098	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R9099	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	
R9100	ERJ6GEYG153	M. RESISTOR CH 1/10W 15K	1	
R9101	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R9102	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R9103	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	1	
R9104	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R9105	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R9106	ERJ6GEYF393	M. RESISTOR CH 1/10W 39K	1	
R9107	ERJ6GEYG682	M. REISITOR CH 1/10W 6. 8K	1	
R9108	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R9109	ERJ6GEYG272	M. RESISTOR CH 1/10W 2. 7K	1	
R9110	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R9111	ERJ6GEYF393	M. RESISTOR CH 1/10W 39K	1	
R9112	ERJ6GEYG105	M. RESISTOR CH 1/10W 1M	1	
R9113	ERJ6GEYG474	M. RESISTOR CH 1/10W 470K	1	
R9114	ERJ6GEYG511	M. RESISTOR CH 1/10W 510	1	
R9115	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R9116, 17	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	2	
R9118	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
R9119	ERJ6GEYG151	M. RESISTOR CH 1/10W 150	1	
R9120	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	
R9121-23	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	3	
R9124	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R9125-27	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	3	
R9128	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R9130	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R9131, 32	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	2	
R9133	ERJ6GEYG821	M. RESISTOR CH 1/10W 820	1	
R9134	ERJ6GEYG391	M. RESISTOR CH 1/10W 390	1	
R9135	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R9136	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R9137	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R9138	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1	
R9139	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R9140	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R9141	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R9142	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1	

VEP03D60A / VEP02417B

Ref. No.	Part No.	Part Name & Descriptio	Pcs	Remarks
43	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
44	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
45	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9146	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R9147	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
48	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
49	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R9150	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R9151	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
52-54	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
55	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
57	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R9158, 59	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R9160	ERJ6GEYG391	M.RESISTOR CH 1/10W 390	1	
61	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
62	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R9163	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R9164	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	
65	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
66	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
67	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R9168	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	
R9169	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
170	ERJ6GEYG474	M.RESISTOR CH 1/10W 470K	1	
172	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R9173	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9175	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R9301	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
302, 03	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
304	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9305	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R9306-08	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	3	
309	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
310	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
311	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R9313, 14	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	2	
R9315	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
316	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
317	ERJ6GEYG391	M.RESISTOR CH 1/10W 390	1	
R9318	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R9319	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
320	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
321	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
322	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R9323	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R9324	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
325	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
326	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R9327	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9328	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R9329	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
330	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
331	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R9332	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R9333	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
334	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
335	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R9336	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R9337	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R9338	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
339	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
340	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R9341	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9342	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
343	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
344	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
345	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R9601	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9603	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
605	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
607	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R9608	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9610	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
612	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
613	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	

Ref. No.	Part No.	Part Name & Descriptio	Pcs	Remarks
R9614	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R9615	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R9616	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R9617	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R9618	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R9619	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R9620	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9623	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9625, 26	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R9628	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9631	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9633	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9634	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R9636	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R9641	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9643	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R9644	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R9651	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R9652	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R9653, 54	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R9655	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9657	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R9658	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R9660	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9661	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	
R9663	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R9670	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9674, 75	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R9689	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R9691	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R9693	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9694	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R9695	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R9696	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R9697	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R9698	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R9699	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
VR9001, 02	EVN32CA00B24	V.RESISTOR 20K	2	
VR9003-05	EVN32CA00B14	V.RESISTOR 10K	3	
VR9301-05	EVN32CA00B53	V.RESISTOR 5K	5	
X9301	VSX0160	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VSC2834	SHIELD CASE (UPPER)	1	
	VSC2835	SHIELD CASE (MAIN)	1	
■ E14	VEP02417B	REEL DRIVE C.B.A.	1	(RTL)
C2701	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2702	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2703	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2704	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2705	ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C2706-08	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2709-12	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2713	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2714	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C2715-17	ECEA0JKA470	E.CAPACITOR 6.3V 47U	3	
C2718	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2719	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2720	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2721	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2722	ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C2723-25	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2726-29	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
D2701	MA151K	DIODE	1	
D2702	MA151WK	DIODE	1	
D2703	MA151K	DIODE	1	
D2704	MA153	DIODE	1	

VEP02417B / VEP05162N / VEP05162P

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D2705	MA151K	DIODE	1	
D2706	MA151WK	DIODE	1	
D2707	MA151K	DIODE	1	
D2708	MA153	DIODE	1	
IC2701,02	XRA6435S	IC	2	
IC2703	LM358PS	IC	1	
IC2704	MC14053BF	IC	1	
IC2705	LM339NS	IC	1	
IC2706	LM358PS	IC	1	
J2701	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L2701-04	VLQ0460	COIL	4	
P2701	VJS3135	CONNECTOR (FEMALE)	1	
P2702	VJS2149W	CONNECTOR (FEMALE)	1	
P2703	VJS3202B008	CONNECTOR (FEMALE)	1	
P2704,05	VJS1412	CONNECTOR (FEMALE)	2	
Q2701	MSD601	TRANSISTOR	1	
QR2701	MRN1404	TRANSISTOR-RESISTOR	1	
R2701	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2702	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R2703	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2704	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R2705	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R2706	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R2707,08	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R2709	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R2710	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R2711	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2712	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2713,14	ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R2715	ERX12SJ1R0	M.RESISTOR 1/2W 1	1	
R2716	ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R2717	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R2718	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R2719	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R2720	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R2721	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2722,23	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	
R2724	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2725,26	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R2727	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R2728	ERJ6GEYG823	M.RESISTOR CH 1/10W 82K	1	
R2729	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2730	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R2731	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R2732	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2733	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2734,35	ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R2736	ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2737	ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R2738	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2739	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R2740	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2741,42	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R2743	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
		MISCELLANEOUS		
E47	VMX2183	SPACER	1	
■ E15	VEP05162N	HEAD AMP C.B.A.	1	(RTL)FOR AG-DS555P
■ E15	VEP05162P	HEAD AMP C.B.A.	1	(RTL)FOR AG-DS545P
C5001	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5002,03	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5004	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C5005	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5006	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5007,08	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	AG-DS555P ONLY
C5009	ECUM1H182JN	C.CAPACITOR CH 50V 1800P	1	AG-DS555P ONLY
C5010	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5011	ECEA1CKA220	E.CAPACITOR 16V 22U	1	AG-DS555P ONLY
C5012	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	AG-DS555P ONLY
C5013	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5014	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5015	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5016	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5017	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C5018,19	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	2	
C5020	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5021	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C5022	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5023	ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C5024,25	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5026	ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C5027	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5028	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5029	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5030	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C5031	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	AG-DS555P ONLY
C5032,33	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5034	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5035	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5036	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5037	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C5038	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C5039	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5040	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C5042	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5043	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5044,45	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C5046	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5047	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5048	ECUM1H472ZFN	C.CAPACITOR CH 50V 4700P	1	
C5056	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C5066	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
D5001,02	MA151K	DIODE	2	
D5004	MA151K	DIODE	1	AG-DS555P ONLY
IC5001	AN3334K	IC	1	
IC5002	BA7740FS	IC	1	
L5001	VLQ0460	COIL	1	
L5002	VLQ0460	COIL	1	AG-DS555P ONLY
L5003	VLQ0460	COIL	1	
L5004	VLQ0460	COIL	1	AG-DS555P ONLY
P5001	VJP3091	CONNECTOR (MALE)	1	
P5002	VJS2603	CONNECTOR (FEMALE)	1	
P5003	VJP3091	CONNECTOR (MALE)	1	
Q5001	MSB709	TRANSISTOR	1	
Q5002	MSC2295	TRANSISTOR	1	AG-DS555P ONLY
Q5003	XN4504	TRANSISTOR-TRANSISTOR	1	
Q5004	MSC2295	TRANSISTOR	1	AG-DS555P ONLY
Q5005	MSC2295	TRANSISTOR	1	
QR5001	MRN1404	TRANSISTOR-RESISTOR	1	
R5001	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R5002	ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R5003	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R5004	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R5005	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R5006	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R5007	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R5008	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	AG-DS555P ONLY
R5009	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	AG-DS555P ONLY
R5010	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1	
R5011-14	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	4	
R5015-18	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	4	

Er05162P / VEP06C03A / VEP06C03C / VEP06929C / VEP06929D

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
19	ERJ6GEYG391	M. RESISTOR CH 1/10W 390	1	
20, 21	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	2	AG-DS555P ONLY
22	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R5026	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
P5027	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
28	ERJ6GEYG243	M. RESISTOR CH 1/10W 24K	1	
29	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	
R5030	ERJ6GEYG391	M. RESISTOR CH 1/10W 390	1	
R5031	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
32	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
33	ERJ6GEYG273	M. RESISTOR CH 1/10W 27K	1	AG-DS555P ONLY
34	ERJ6GEYG153	M. RESISTOR CH 1/10W 15K	1	
R5036	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
R5037, 38	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	2	
39	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
40	ERDS2TJ221	C. RESISTOR 1/4W 220	1	AG-DS555P ONLY
5041	ERJ6GEYJ100	M. RESISTOR CH 1/10W 10	3	AG-DS555P ONLY
R5041	ERJ6GEYJ180	M. RESISTOR CH 1/10W 18	1	AG-DS545P ONLY
42, 43	ERJ6GEYJ100	M. RESISTOR CH 1/10W 10	1	
44, 45	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
46, 47	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	2	
R5058	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	AG-DS555P ONLY
R5059	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
61	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	AG-DS555P ONLY
62	ERDS2TJ221	C. RESISTOR 1/4W 220	1	AG-DS555P ONLY
070	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	AG-DS555P ONLY
VR5001, 02	EVN32CAO0B23	V. RESISTOR 2K	2	AG-DS555P ONLY
		MISCELLANEOUS		
E64	VSC3119	SHIELD COVER (MIDDLE)	1	
5	VSC3039	SHIELD COVER (FRONT)	1	
3	VSC3040	SHIELD COVER (REAR)	1	
	VEE9580	CABLE	1	
E16	VEP06C03A	FRONT C.B.A.	1	(RTL) FOR AG-DS555P
E16	VEP06C03C	FRONT C.B.A.	1	(RTL) FOR AG-DS545P
■ E17	VEP06929C	FRONT LED C.B.A.	1	(RTL) INCLUDED IN
				FRONT C.B.A.
				FOR AG-DS555P
E17	VEP06929D	FRONT LED C.B.A.	1	(RTL) INCLUDED IN
				FRONT C.B.A.
				FOR AG-DS545P
2002	ECEA1CKS470	E. CAPACITOR 16V 47U	1	
2003	ECEA1AKS221	E. CAPACITOR 10V 220U	1	
C62004, 05	ECEA1HKS220	E. CAPACITOR 50V 22U	2	
62007	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
2008-10	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	3	
2011	ECEA1CKS330	E. CAPACITOR 16V 33U	1	
C62012	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C62013	ECEA1AKS221	E. CAPACITOR 10V 220U	1	
2014	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
2015, 16	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	2	
D62002	MA4056-M	DIODE	1	
62013-16	MA151K	DIODE	4	
32018-22	MA151K	DIODE	5	
32024-28	MA153	DIODE	5	
D62029-31	MA152K	DIODE	3	
D62032-35	MA151K	DIODE	4	
32036	MA701A	DIODE	1	
32047	MA152K	DIODE	1	
32048	MA151K	DIODE	1	AG-DS555P ONLY
D62050-57	MA151K	DIODE	8	
D62058, 59	MA151K	DIODE	2	AG-DS555P ONLY
P62001	VSL0312	DISPLAY	1	
IC62001	UPD75236J025	IC	1	
C62002	UPC393G2	IC	1	
C62003	MN1382-R	IC	1	
J62005	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
J62006	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	AG-DS545P ONLY
J62007	ERJ6GEYOR00	M. RESISTOR CH 1/10W 0	1	
L62001	VLQEL05K121K	COIL	1	
LD62010, 1	LN31GCPHLG4	LED	2	
LD62012-1	LN440YCPUVT	LED	7	
LD62019, 2	LN440YCPUVT	LED	2	AG-DS555P ONLY
P62001-04	VJP3503	CONNECTOR (MALE)	4	
P62005	VJP1236T	CONNECTOR (MALE) 9P	1	
P62006	VJS2949B010	CONNECTOR (FEMALE)	1	
P62007	VJP3076	CONNECTOR (MALE)	1	
P62008	VJP3093	CONNECTOR (MALE)	1	AG-DS555P ONLY
P62008	VJP3530	CONNECTOR (MALE)	1	AG-DS545P ONLY
P62501	VJS2949B010	CONNECTOR (FEMALE)	1	
Q62002-05	MSD601	TRANSISTOR	4	
Q62006-08	MSB710	TRANSISTOR	3	
Q62009	MSB710	TRANSISTOR	1	AG-DS555P ONLY
QR62001	MRN1404	TRANSISTOR-RESISTOR	1	
R62001	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R62003	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R62004-11	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	8	
R62012-19	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	8	
R62020-24	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	5	
R62025	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R62026-36	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	11	
R62037-40	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	4	
R62041	ERJ6GEYG392	M. RESISTOR CH 1/10W 3.9K	1	
R62042-52	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	11	
R62059	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R62070, 71	ERJ14YJ330	M. RESISTOR CH 1/4W 33	2	
R62076-79	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	4	
R62080	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R62081	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
R62082	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R62083	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
R62084	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R62085	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
R62086	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	AG-DS555P ONLY
R62087	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R62088, 89	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	2	
R62090	ERJ6GEYG564	M. RESISTOR CH 1/10W 560K	1	
R62091	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R62092, 93	ERJ6GEYG683	M. RESISTOR CH 1/10W 68K	2	
R62094	ERJ6GEYG564	M. RESISTOR CH 1/10W 560K	1	
R62095, 96	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
R62097-01	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	5	
R62102, 03	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
R62104	ERJ14YJ470	M. RESISTOR CH 1/4W 47	1	AG-DS555P ONLY
R62105-07	ERJ14YJ330	M. RESISTOR CH 1/4W 33	3	AG-DS555P ONLY
R62108	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R62109	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R62110-12	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	3	
R62113-19	ERJ14YJ470	M. RESISTOR CH 1/4W 47	7	
R62120, 21	ERJ14YJ470	M. RESISTOR CH 1/4W 47	2	AG-DS555P ONLY
SW62010-1	EVQQJ104K	SWITCH	4	
SW62014, 1	VSS0225	SWITCH	2	
SW62016	VSS0324	SWITCH	1	
SW62017	VSS0324	SWITCH	1	AG-DS555P ONLY
SW62017	VSS0225	SWITCH	1	AG-DS545P ONLY
SW62018	VSS0225	SWITCH	1	
SW62019	VSS0225	SWITCH	1	AG-DS555P ONLY
SW62020	VSS0225	SWITCH	1	
SW62021	VSS0324	SWITCH	1	
SW62022, 2	VSS0225	SWITCH	2	
SW62024-3	EVQQJ104K	SWITCH	7	
SW62031, 3	EVQQJ104K	SWITCH	2	AG-DS555P ONLY
SW62501	VSP0151	SWITCH	1	AG-DS555P ONLY

VEP06929D / VEP04418E / VEP04418F / VEP04419B / VEP04328A / VEP04328B / VEK5556 / VEK3578

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
SW62501	VSP0829	SWITCH	1	AG-DS545P ONLY
SW62502-0	VSP0780	SWITCH	3	AG-DS555P ONLY
SW62502-0	VSP0829	SWITCH	1	AG-DS545P ONLY
X62001	VSX0140	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
E43	VMX0985	SPACER	1	
E73	VJF0960	DISPLAY HOLDER	1	
E74	VMX2062	LED SPACER	2	
E76	VMS4950	P. C. BOARD POST	2	
E79	XYN26+C5FR	SCREW	4	
	VEE7406	CABLE	1	AG-DS555P ONLY
	VEE9071	CABLE	1	AG-DS545P ONLY
	VEE8722	CABLE	1	
	VWJ10SW050LO	FLAT CABLE	1	
	VGF0506	SHIELD SHEET	1	AG-DS555P ONLY
	XWGV4F7Y	LED SPACER	9	
■ E19	VEP04418E	FRONT JACK C. B. A.	1	(RTL) FOR AG-DS555P
■ E19	VEP04418F	FRONT JACK C. B. A.	1	(RTL) FOR AG-DS545P
C4901, 02	ECKF1H101KB	C. CAPACITOR 50V 100P	2	
C4910	ECKF1H103ZF	C. CAPACITOR 50V 0. 01U	1	
D4901	MA165	DIODE	1	AG-DS555P ONLY
J4901	VJJ0378	JACK	1	
L4901, 02	VLQEL05S101J	COIL	2	
P4901	VJP3529	CONNECTOR (MALE)	1	
P4902	VJP3076	CONNECTOR (MALE)	1	
R4901	ERDS2TJ333	C. RESISTOR 1/4W 33K	1	AG-DS555P ONLY
R4902	ERDS2TJ103	C. RESISTOR 1/4W 10K	1	AG-DS555P ONLY
R4903	ERDS2TJ393	C. RESISTOR 1/4W 39K	1	
R4904	ERDS2TJ153	C. RESISTOR 1/4W 15K	1	
R4905	ERDS2TJ682	C. RESISTOR 1/4W 6. 8K	1	
R4906	ERDS2TJ222	C. RESISTOR 1/4W 2. 2K	1	
SW4901	VSR0103	SWITCH	1	
VR4901	EVUNCAF15B23	V. RESISTOR 2K	1	
VR4902	EVU55AF15B15	V. RESISTOR 100K	1	
VR4903	EVU023015B14	V. RESISTOR 10K	1	AG-DS555P ONLY
		MISCELLANEOUS		
E59	VMP4231	JACK ANGLE	1	
E60	VGU6484	BUTTON	4	
	VMP5403	EARTH ANGLE	1	
	VEE6964	CABLE	1	AG-DS545P ONLY
■ E20	VEP04419B	MIC JACK C. B. A.	1	(RTL) AG-DS555P ONLY
C4301	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C4302	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C4303-05	ECEA1CKA470	E. CAPACITOR 16V 47U	3	
C4306	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C4307	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C4308	ECEA1CKA470	E. CAPACITOR 16V 47U	1	
C4310, 11	ECKF1H103ZF	C. CAPACITOR 50V 0. 01U	2	
FL4301, 02	VLF0523	FILTER	2	
IC4301	NJM2068MD	IC	1	
J4301, 02	VJJ0078	JACK	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
P4301	VJP3076	CONNECTOR (MALE)	1	
Q4301	MSD602	TRANSISTOR	1	(R)
R4301, 02	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	2	
R4303	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R4304	ERJ6GEYF124	M. RESISTOR CH 1/10W 120K	1	
R4305	ERJ6GEYG753	M. RESISTOR CH 1/10W 75	1	
R4306	ERJ6GEYG182	M. RESISTOR CH 1/10W 1. 8K	1	
R4307, 08	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	2	
R4309	ERJ6GEYF124	M. RESISTOR CH 1/10W 120K	1	
R4310	ERJ6GEYG753	M. RESISTOR CH 1/10W 75	1	
R4311, 12	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	2	
R4314, 15	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	2	
R4316	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
		MISCELLANEOUS		
E62	VSC3429	SHIELD COVER	1	
E63	VMP3224	MIC JACK ANGLE	1	
	VMC1351	EARTH SPRING	1	
■ E21	VEP04328A	AUDIO METER C. B. A.	1	(RTL) FOR AG-DS555P
■ E21	VEP04328B	AUDIO METER C. B. A.	1	(RTL) FOR AG-DS545P
D4201-06	LN440YCPUVT1	LED	6	
D4207, 08	MA165	DIODE	2	AG-DS555P ONLY
P4201	VJP3081	CONNECTOR (MALE)	1	AG-DS555P ONLY
P4201	VJP3529	CONNECTOR (MALE)	1	AG-DS545P ONLY
R4201, 02	ERDS2TJ151	C. RESISTOR 1/4W 150	2	
R4203	ERDS2TJ222	C. RESISTOR 1/4W 2. 2K	1	AG-DS555P ONLY
R4204	ERDS2TJ272	C. RESISTOR 1/4W 2. 7K	1	AG-DS555P ONLY
R4205	ERDS2TJ222	C. RESISTOR 1/4W 2. 2K	1	AG-DS555P ONLY
R4206	ERDS2TJ272	C. RESISTOR 1/4W 2. 7K	1	AG-DS555P ONLY
R4207, 08	EROS2CKG5100	M. RESISTOR 1/4W 510	2	AG-DS555P ONLY
R4209, 10	ERDS2TJ151	C. RESISTOR 1/4W 150	2	
VR4201-04	EVJ9MA040B14	V. RESISTOR 10K	4	AG-DS555P ONLY
		MISCELLANEOUS		
E54	VMP3282	METER ANGLE	1	AG-DS555P ONLY
E55	VGF0245	METER HOLDER	2	
E56	VSE0117	METER	1	
E57	VSE0115	AUDIO METER	1	
■ E22	VEK5556	SEARCH DIAL UNIT C. B. A.	1	(RTL)
P6301	VJP1249T	CONNECTOR (MALE) 9P	1	
		MISCELLANEOUS		
E87	VSQ0651	JOG/SHUTTLE UNIT	1	
E88	XTV3+6F	SCREW	2	
E89	XTV3+8J	SCREW	3	
	VGP2916	DIAL HOLD ANGLE	1	
	VEE7404	CABLE	1	
E90	XYE3+EF6	SCREW	1	
■ E23	VEK3578	PHOTO TR. (L) C. B. A.	1	(RTL)
		MISCELLANEOUS		
E91	VMD0645	GUIDE PLATE	1	
	PN150NVS	PHOTO TRANSISTOR	1	
	VWJ02FN300RR	FLAT CABLE	1	
	ECKF1H102KB	C. CAPACITOR 50V 1000P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
24	VEK4058	PHOTO TR. (R) C.B.A.	1	(RTL)
		MISCELLANEOUS		
E82	VMD0645	GUIDE PLATE	1	
	ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
	ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
	VJS2165W	CONNECTOR	1	
	PN150NVS	PHOTO TRANSISTOR	1	
25	VEK2657	TENSION SENSOR C.B.A.	1	(RTL)
P2504	VJS1230T	CONNECTOR (FEMALE)	1	
		MISCELLANEOUS		
	ON1301	PHOTO CUPRIER	1	
	VEE2252	CABLE	1	
	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
■ E26	VEK4265	REV TENSION SENSOR C.B.A.	1	(RTL)
		MISCELLANEOUS		
56	VMA7987	PLATE	1	
	VEE5402	CABLE	1	
57	ON1108	INTERRUPTER	1	
E94	XTV26+4F	SCREW	1	
E27	VEK6633	MOTOR BASE C.B.A.	1	(RTL)
		MISCELLANEOUS		
	VJP1229T	CONNECTOR (MALE) 2P	1	
	VJP1229G	CONNECTOR (MALE) 2P	1	
	VJP1229R	CONNECTOR (MALE) 2P	1	
	VJP3106B013	CONNECTOR (MALE)	1	
	VJS1493	CONNECTOR (FEMALE) 15P	1	
	VJP1230R	CONNECTOR (MALE) 3P	1	
E28	VEP06908J	REAR AMP C.B.A.	1	(RTL) FOR AG-DS555P
E28	VEP06908K	REAR AMP C.B.A.	1	(RTL) FOR AG-DS545P
001-04	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	4	AG-DS555P ONLY
007-10	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	4	AG-DS555P ONLY
014, 15	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	AG-DS555P ONLY
C4016	ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C4017	ECEA1CKS101	E.CAPACITOR 16V 100U	1	
018	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
019	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
4020	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4021	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
4022	ECEA1VKS470	E.CAPACITOR 35V 47U	1	
4023	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
4024, 25	ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4026	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4027, 28	ECEA1EKA470	E.CAPACITOR 25V 47U	2	
4029	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
4030, 31	ECEA1EKA470	E.CAPACITOR 25V 47U	2	
4034	ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C4035	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
4036-41	ECEA1CKA100	E.CAPACITOR 16V 10U	6	
4042, 43	ECEA1CKS100	E.CAPACITOR 16V 10U	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4044, 45	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	AG-DS555P ONLY
C4046-49	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	4	AG-DS555P ONLY
C4050, 51	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	AG-DS555P ONLY
C6601, 02	ECEA1AKA470	E.CAPACITOR 10V 47U	2	AG-DS555P ONLY
C6604	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	AG-DS555P ONLY
C6605	ECEA1AKA101	E.CAPACITOR 10V 100U	1	AG-DS555P ONLY
C6606, 07	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	AG-DS555P ONLY
C6611	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6612	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6613	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6614	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6615	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6616	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6621, 22	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6623	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6624	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6628-33	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C6635	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6639	ECEA0JKN470	E.CAPACITOR 6.3V 47U	1	
C6640	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6641	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6642	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6643	ECEA1HKS4R7	E.CAPACITOR 50V 4.7U	1	
C6644	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6645	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6646	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6647	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6648	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6649	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6650	ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C6651	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C6652	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C6653, 54	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C6655, 56	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6657	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6658	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6659	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6660	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6661	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6662-64	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C6665	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	AG-DS555P ONLY
C6667, 68	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C6670, 71	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C6672, 73	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	AG-DS555P ONLY
C6674	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C6675	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	AG-DS555P ONLY
C6676-78	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
CT6601	ECV1ZW20X60	TRIMMER	1	
D4001	MA151WA	DIODE	1	AG-DS555P ONLY
D4002	MA151WK	DIODE	1	AG-DS555P ONLY
D4003	MA151WA	DIODE	1	AG-DS555P ONLY
D4004	MA151WK	DIODE	1	AG-DS555P ONLY
D4005	MA151WA	DIODE	1	AG-DS555P ONLY
D4006	MA151WK	DIODE	1	AG-DS555P ONLY
D4007	MA151WA	DIODE	1	AG-DS555P ONLY
D4008	MA151WK	DIODE	1	AG-DS555P ONLY
D4017	MA153A	DIODE	1	
D6601	MA151K	DIODE	1	
D6602	MA151K	DIODE	1	AG-DS555P ONLY
D6603	MA28WA	DIODE	1	
IC4001-03	NJM4556MB	IC	3	AG-DS555P ONLY
IC4004	AN6558S	IC	1	AG-DS555P ONLY
IC4005-07	NJM4556MB	IC	3	AG-DS555P ONLY
IC4008	AN6558S	IC	1	AG-DS555P ONLY
IC4014-17	NJM4556MB	IC	4	
IC6601	NJM2233BMA	IC	1	AG-DS555P ONLY
IC6605-08	MC14577CP	IC	4	
IC6610	MN1280P	IC	1	
IC6611	M50455-001SP	IC	1	
IC6612	TC4S584F	IC	1	
IC6613	NJM2233BMA	IC	1	AG-DS555P ONLY
IC6614	MC74HC4053F	IC	1	

VEP06908K

Ref. No.	Part No.	Part Name & Descriptio	Pcs	Remarks
IC6615	TC7S08F	IC	1	
IC6616	MC74HC4053F	IC	1	
L6601-07	VLQEL05K101J	COIL	7	
L6608	VLQEL05K330J	COIL	1	
L6609, 10	VLQEL05K560J	COIL	2	
L6611	VLQEL05K150J	COIL	1	
L6612	VLQEL05K101J	COIL	1	
P4006	VJP3490B13	CONNECTOR (MALE)	1	
P4007	VJP3092	CONNECTOR (MALE)	1	
P4008	VJP3092	CONNECTOR (MALE)	1	AG-DS555P ONLY
P4009	VJP3490B13	CONNECTOR (MALE)	1	
P6601	VJS1490	CONNECTOR (FEMALE)	1	
P6602, 03	VJP3490B13	CONNECTOR (MALE)	2	
P6604	VJS1468	CONNECTOR (FEMALE)	1	AG-DS555P ONLY
P6605	VJS1490	CONNECTOR (FEMALE)	1	
P6606	VJP3076	CONNECTOR (MALE)	1	
P6607	VJP1243T	CONNECTOR (MALE) 3P	1	
P6608	VJS1488	CONNECTOR (FEMALE)	1	
Q4001-08	MSD601	TRANSISTOR	8	AG-DS555P ONLY
Q4010	2SD601-R	TRANSISTOR	1	
Q4011	2SB710-R	TRANSISTOR	1	
Q4015-17	2SD1306	TRANSISTOR	3	
Q4021-23	2SD1306	TRANSISTOR	3	
Q4027-29	2SD1306	TRANSISTOR	3	
Q4033-35	2SD1306	TRANSISTOR	3	
Q4036	MSB710	TRANSISTOR	1	
Q4037	2SB710-R	TRANSISTOR	1	AG-DS555P ONLY
Q4038	2SD602-R	TRANSISTOR	1	AG-DS555P ONLY
Q6602, 03	MSD601	TRANSISTOR	2	AG-DS555P ONLY
Q6606	MSB709	TRANSISTOR	1	
Q6609, 10	XN4501	TRANSISTOR-RESISTOR	2	
Q6611	MSD601	TRANSISTOR	1	
Q6612	XN4401	TRANSISTOR-RESISTOR	1	
Q6613	MSB709	TRANSISTOR	1	AG-DS555P ONLY
Q6614-16	MSB709	TRANSISTOR	3	
Q6617	MSD601	TRANSISTOR	1	
QR6603	MRN1404	TRANSISTOR-RESISTOR	1	AG-DS555P ONLY
QR6605	MRN2404	TRANSISTOR-RESISTOR	1	
QR6606-09	MRN1404	TRANSISTOR-RESISTOR	4	
QR6610, 11	MRN2404	TRANSISTOR-RESISTOR	2	
R4001	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	AG-DS555P ONLY
R4002, 03	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	2	AG-DS555P ONLY
R4004, 05	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	2	AG-DS555P ONLY
R4006, 07	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	2	AG-DS555P ONLY
R4008	VRE0034E332	M. RESISTOR CH 1/10W 3. 3K	1	AG-DS555P ONLY
R4009-14	VRE0034E472	M. RESISTOR CH 1/10W 4. 7K	6	AG-DS555P ONLY
R4015	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	AG-DS555P ONLY
R4016	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	AG-DS555P ONLY
R4017	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	AG-DS555P ONLY
R4018, 19	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	2	AG-DS555P ONLY
R4020, 21	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	2	AG-DS555P ONLY
R4022	VRE0034E332	M. RESISTOR CH 1/10W 3. 3K	1	AG-DS555P ONLY
R4023-28	VRE0034E472	M. RESISTOR CH 1/10W 4. 7K	6	AG-DS555P ONLY
R4029	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R4030	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	AG-DS555P ONLY
R4032-35	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	4	AG-DS555P ONLY
R4036	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	AG-DS555P ONLY
R4038-40	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	3	AG-DS555P ONLY
R4041	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	AG-DS555P ONLY
R4042, 43	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	2	AG-DS555P ONLY
R4044, 45	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	2	AG-DS555P ONLY
R4046, 47	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	2	AG-DS555P ONLY
R4048	VRE0034E332	M. RESISTOR CH 1/10W 3. 3K	1	AG-DS555P ONLY
R4049-54	VRE0034E472	M. RESISTOR CH 1/10W 4. 7K	6	AG-DS555P ONLY
R4055	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	AG-DS555P ONLY
R4056, 57	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	2	AG-DS555P ONLY
R4058, 59	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	2	AG-DS555P ONLY
R4060, 61	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	2	AG-DS555P ONLY
R4062	VRE0034E332	M. RESISTOR CH 1/10W 3. 3K	1	AG-DS555P ONLY
R4063-68	VRE0034E472	M. RESISTOR CH 1/10W 4. 7K	6	AG-DS555P ONLY

Ref. No.	Part No.	Part Name & Descriptio	Pcs	Remarks
R4069	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R4070	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	AG-DS555P ONLY
R4072-76	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	5	AG-DS555P ONLY
R4077	ERJ6GEYG183	M. RESISTOR CH 1/10W 18K	1	AG-DS555P ONLY
R4079-82	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	4	AG-DS555P ONLY
R4094, 95	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	AG-DS555P ONLY
R4096, 97	ERJ6GEYG151	M. RESISTOR CH 1/10W 150	2	
R4107	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R4108	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R4109	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	
R4110	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	
R4111	ERJ6GEYG912	M. RESISTOR CH 1/10W 9. 1K	1	
R4112	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R4113, 14	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	2	
R4115	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	
R4116	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R4117	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R4118	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R4119-23	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	5	
R4133	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R4134, 35	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	2	
R4136	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	
R4137	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R4138	ERJ6GEYG912	M. RESISTOR CH 1/10W 9. 1K	1	
R4139, 40	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	2	
R4141	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	
R4142	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R4143	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R4144	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R4145-49	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	5	
R4159	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R4160, 61	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	2	
R4162	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	
R4163	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R4164, 65	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	2	
R4166	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R4167	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R4168	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R4169	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	
R4170	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R4171	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R4172	ERJ6GEYG912	M. RESISTOR CH 1/10W 9. 1K	1	
R4173-75	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	3	
R4185	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R4186, 87	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	2	
R4188	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	
R4189	ERJ6GEYG912	M. RESISTOR CH 1/10W 9. 1K	1	
R4190	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R4191, 92	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	2	
R4193	ERJ6GEYF822	M. RESISTOR CH 1/10W 8. 2K	1	
R4194	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	1	
R4195	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R4196	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R4197-01	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	5	
R4204	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R4205	ERJ6GEYG563	M. RESISTOR CH 1/10W 56K	1	
R4206, 07	ERJ6GEYG151	M. RESISTOR CH 1/10W 150	2	AG-DS555P ONLY
R4208-11	ERJ6GEYG562	M. RESISTOR CH 1/10W 5. 6K	4	AG-DS555P ONLY
R6601	ERJ6GEYG332	M. RESISTOR CH 1/10W 3. 3K	1	AG-DS555P ONLY
R6602	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	AG-DS555P ONLY
R6604	ERJ6GEYG750	M. RESISTOR CH 1/10W 75	1	AG-DS555P ONLY
R6607	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	AG-DS555P ONLY
R6608	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R6609	ERJ6GEYF472	M. RESISTOR CH 1/10W 4. 7K	1	AG-DS555P ONLY
R6610	ERJ6GEYG272	M. RESISTOR CH 1/10W 2. 7K	1	AG-DS555P ONLY
R6618	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
R6619	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R6620	ERJ6GEYG470	M. RESISTOR CH 1/10W 47	1	
R6621, 22	VRE0034E102	M. RESISTOR CH 1/10W 1K	2	
R6623	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R6624	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R6628-31	VRE0034E471	M. RESISTOR CH 1/10W 470	4	
R6632, 33	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
R6639-48	VRE0034E471	M. RESISTOR CH 1/10W 470	10	
R6649	ERJ6GEYG152	M. RESISTOR CH 1/10W 1. 5K	1	

VEP06908K / VEP06909G / VEP06909H / VEP04424A / VEP04425A / VEP01478C / VEP06906A

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R 0	ERJ6GEYG474	M. RESISTOR CH 1/10W 470K	1	
R6652	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R6653	ERJ6GEYG562	M. RESISTOR CH 1/10W 5.6K	1	
R 4, 55	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	2	
R 6	ERJ6GEYG271	M. RESISTOR CH 1/10W 270	1	
R6657	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R6658	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
R 9	ERJ6GEYG272	M. RESISTOR CH 1/10W 2.7K	1	
R 0	ERJ6GEYG391	M. RESISTOR CH 1/10W 390	1	
R 2	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R6663	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R6664	ERJ6GEYG272	M. RESISTOR CH 1/10W 2.7K	1	
R 5	ERJ6GEYG182	M. RESISTOR CH 1/10W 1.8K	1	
R 6	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
R 7	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R6668	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R 9	ERJ6GEYF124	M. RESISTOR CH 1/10W 120K	1	AG-DS555P ONLY
R 0	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	AG-DS555P ONLY
R 1	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	AG-DS555P ONLY
R6672	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R6673	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R 5	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	AG-DS555P ONLY
R 7, 78	VRE0034E471	M. RESISTOR CH 1/10W 470	2	
R 9	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	AG-DS555P ONLY
R6680	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R6681	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R 3	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R 4	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R6685	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R6686, 87	ERJ6GEYG330	M. RESISTOR CH 1/10W 33	2	
R 9	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R 0	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R 1	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R6694	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R6695	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
R 8	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
SW 004, 05	VSS0208	SWITCH	2	AG-DS555P ONLY
VR 05-08	EVN32CA00B53	V. RESISTOR 5K	4	
X 1	VSX0197	CRYSTAL OSCILLATOR	1	
■ 29	VEP06909G	REAR JACK C. B. A.	1	(RTL) FOR AG-DS555P
■ 29	VEP06909H	REAR JACK C. B. A.	1	(RTL) FOR AG-DS545P
J6701, 02	VJS3154	CONNECTOR (FEMALE)	2	AG-DS555P ONLY
J 03, 04	VJS3154	CONNECTOR (FEMALE)	2	
J 05	VJS3155	CONNECTOR (FEMALE)	1	AG-DS555P ONLY
J6709	VJP3414A015	CONNECTOR (MALE)	1	
J6711-13	VJS3154	CONNECTOR (FEMALE)	3	
J 4, 15	VJS3155	CONNECTOR (FEMALE)	2	
J 9	VJJ0322	MOTOR JACK	1	
J 20	VJS3154	CONNECTOR (FEMALE)	1	AG-DS555P ONLY
J6721	VJS3154	CONNECTOR (FEMALE)	1	
P 01	VJS3215B012	CONNECTOR (FEMALE)	1	
P 02	VJS3215B008	CONNECTOR (FEMALE)	1	AG-DS555P ONLY
P6703	VJS3215B012	CONNECTOR (FEMALE)	1	
P6704	VJS3215B010	CONNECTOR (FEMALE)	1	
P 05	VJP3080	CONNECTOR (MALE)	1	
R 01, 02	EROS2CKG75R0	M. RESISTOR 1/4W 75	2	
R6704-06	EROS2CKG75R0	M. RESISTOR 1/4W 75	3	
R6707	EROS2CKG68R0	M. RESISTOR 1/4W 68	1	
R 08-11	EROS2CKG75R0	M. RESISTOR 1/4W 75	4	
R 8	ERDS2TJ104	C. RESISTOR 1/4W 100K	1	AG-DS555P ONLY
R6719	ERDS2TJ104	C. RESISTOR 1/4W 100K	1	
SW 701	VSS0303	SWITCH	1	AG-DS555P ONLY
S 702	VSS0303	SWITCH	1	
S 705, 06	VSS0390	SWITCH	2	AG-DS555P ONLY

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
E98	VMP4232	CONNECTOR ANGLE	1	
E99	VMX2078	SPACER	3	
	VXQ0102	SCREW	2	
	VEE8725	CABLE	1	
E100	XTV3+8FFZ	SCREW	2	
■ E30	VEP04424A	XLR M C. B. A.	1	(RTL)
C6710-13	ECKF1H103ZF	C. CAPACITOR 50V 0.01U	4	
J6722-25	VJP3417	CONNECTOR (MALE)	4	
P6706	VJP1246T	CONNECTOR (MALE) 6P	1	
P6707	VJP1247T	CONNECTOR (MALE)	1	
■ E31	VEP04425A	XLR F C. B. A.	1	(RTL) AG-DS555P ONLY
C6714-17	ECKF1H103ZF	C. CAPACITOR 50V 0.01U	4	
J6726-29	VJS3417	CONNECTOR (FEMALE)	4	
P6708	VJP1246T	CONNECTOR (MALE) 6P	1	
P6709	VJP1247T	CONNECTOR (MALE)	1	
■ E32	VEP01478C	POWER CONNECT C. B. A.	1	(RTL)
⚠ C1101, 02	ECQU2A224MN	P. CAPACITOR 100V 0.22U	2	
⚠ L1101	ELF18D605	COIL	1	
⚠ P1101	VJP2638	CONNECTOR (MALE)	1	
⚠ P1102	VJS2985	CONNECTOR (FEMALE)	1	
⚠ R1101	ERC12GM334	S. RESISTOR 1/2W 330K	1	
		MISCELLANEOUS		
E46	VMZ1305	CAPACITOR COVER	2	
	VEE8730	CABLE	1	
■ E33	VEP06906A	9P CONNECT C. B. A.	1	(RTL)
P69005	VJP3076	CONNECTOR (MALE)	1	
P69006	VJS2074	CONNECTOR (FEMALE)	1	
W1, W2	VWJ0121	CABLE	2	
		MISCELLANEOUS		
E85	VMP4229	CONNECTOR ANGLE	1	
E86	XSB3+6	SCREW	1	
	XYE3+EF8FZ	SCREW	1	
	VEE6964	CABLE	1	

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Order No. VSD9805S213
D4

Service Manual

Supplement

NTSC/PAL **Video Product**

Subject : Correction in Part Number List

Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.
AG-DS540P	8	VSD9511M265
AG-DS545P V-F464	3	VSD9703M203
AG-7600E	14	VSD9502M642
AG-8600E	13	VSD9512M601

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
C40088	——	ECEA1HGE4R7	E. CAPACITOR 50V 4.7U	1	E	AUDIO CBA

TE2-4873

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Order No. VSD9806S204
D4

Service Manual

Supplement

NTSC/PAL **Video Product**

Subject : Change of IC

Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.	Effective from
AG-DS545P	6	VSD9703M203	'98 Running Change
AG-DS555P	6	VSD9703M203	'98 Running Change
AG-DS840HP	11	VSD9605M201	'98 Running Change
AG-DS850HP	12	VSD9605M201	'98 Running Change
AG-7600E	15	VSD9502M642	'98 Running Change
AG-7700E	17	VSD9502M642	'98 Running Change
AG-8600E	14	VSD9512M601	'98 Running Change
AG-8700E	13	VSD9512M601	'98 Running Change

Board: SYSCON/SERVO C.B.A.

Reason for Change

☐ The following part(s) has(have) been changed for serviceability improvement.
☐ The following part(s) has(have) been changed for productivity improvement.
☒ The following part(s) has(have) been changed for standardization.
☐ The following part(s) has (have) been changed for the safety regulation.
☐

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Others

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
IC2202	L7A0269	L7A1469	IC	1	A	

TDE209551TE25087

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Order No. VSD9806S211
D4

Service Manual

Supplement

NTSC/PAL **Video Product**

Subject : Improvement of Audio Circuit

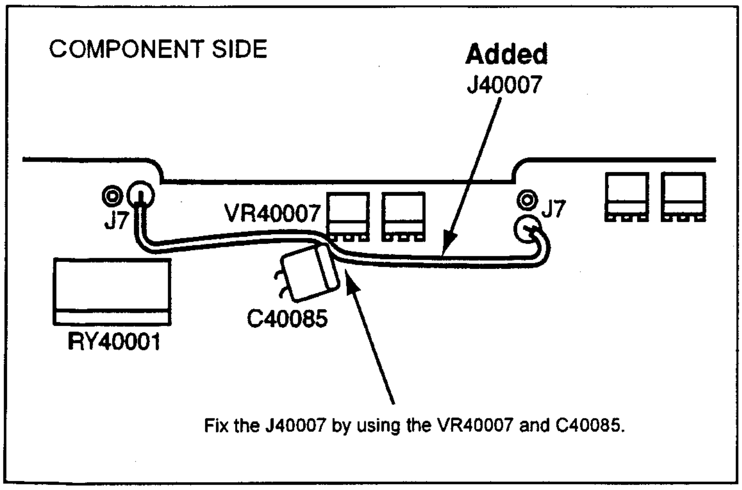
Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.	Effective from
AG-DS545P V 18464	7	VSD9703M203	C8----
AG-DS840HP	12	VSD9605M201	C8----
AG-7600E	16	VSD9502M642	C8----
AG-8600E	16	VSD9512M601	C8----

Board: AUDIO (1) C.B.A.

Symptom : Hum noise may be generated from the audio outputs when bringing monitor TV (model TM-1420BT) by equal to less than 50 cm.

Remedy : To improve this symptom, a jumper wire have been added as shown below.



Fix the J40007 by using the VR40007 and C40085.

Panasonic

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